

# GRAIN DEALERS JOURNAL

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## Directory of the Grain Trade

In Organized Markets Only Members of the Local Grain Exchange Will Be Listed

### AMARILLO, TEX.

Amarillo Mill & Elevtr. Co., grain and seeds.  
Early Grain & Elevtr. Co., whol. grain, hay, seeds.\*  
Plains Grain Co., E. S. Blasdel, grain, field seeds.\*

### ATCHISON, KANS.

Blair Elevator Co., receivers and shippers.\*

### ATHENS, GA.

Eppes, Wm. E., grain, hay, flour, pro.

### ATLANTA, GA.

Jregg & Son, J., wholesale brokers, grain, hay.\*

### AUGUSTA, GA.

Lamb & Hollingsworth, flour, grain, provisions.\*

### BALTIMORE, MD.

Chamber of Commerce Members.

Blackburn & Co., C. P., grain recvrs., exporters.\*  
Dennis & Co., grain merchants.\*  
England & Co., Chas., grain, hay.\*  
Fahey & Co., John T., gr'n receivers & exptrs.\*  
Gill & Fisher, receivers and shippers of grain.\*  
Hammond, Snyder & Co., Inc., receivers, exptrs.\*  
Hax & Co., G. A., grain, hay, seeds.\*  
Jones & Co., H. C., grain and hay.\*  
Lederer Bros., grain receivers.\*  
Manger & Co., J. A., grain, seeds, hay.\*

### BLOOMINGTON, ILL.

Baldwin Grain Co., brokers.  
Hasenwinkle Grain Co., grain brokers.  
Silck & Co., L. E., grain brokers.  
Smith-Hamilton Grain Co., brokerage.  
Worth-Gyles Grain Co., cash and futures grain.

### BOSTON, MASS.

Chamber of Commerce Members.

Benzaquin, Matthew D., grain brokerage, com'n.\*  
McLean Alpine Co., The, grain and hay.\*

### BRATTLEBORO, VT.

Crosby & Co., E., flour and grain. Est. 1850.

### BUFFALO, N. Y.

Corn Exchange Members.

Churchill Gr. & Seed Co., recvrs., shippers.  
Doorty-Ellsworth Co., Inc., brokerage commission.  
Electric Grain Elevtr. Co., consignments.  
Harold, A. W., grain, barley a specialty.  
Heathfield & Co., Inc., W. G., strictly commission.  
Irwin, Dudley M., barley.  
Pratt & Co., receivers, shippers of grain.  
Urmston-Harting Grain Co., grain commission.\*

### CAIRO, ILL.

Board of Trade Members.

Hastings Co., Samuel, receivers and shippers.  
Magee Grain Co., grain.\*  
Thistlewood & Co., grain and hay.

### CEDAR RAPIDS, IOWA.

Cedar Rapids Grain Co., grain merchants.  
Kuehl-Lammers Gr. & Coal Co., receivers, shippers.

### CHAMPAIGN, ILL.

Baldwin & Co., H. L., grain brokers.

### CHICAGO, ILL.

Board of Trade Members.

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Armour Grain Co., grain buyers.\*  
Bailey & Co., E. W., grain commission mchts.\*  
Bennett & Co., Jas. E., commission merchants.\*  
Brennan & Carden, grain and seeds.  
Carhart Code Harwood Co., 35-36 Board of Trade.\*  
DeJany, Frank J., grain commission.  
Dole & Co., J. H., grain and seeds.\*  
Harris, Winthrop & Co., W. K. Mitchell, Mgr.  
Freeman & Co., Henry H., grain, hay, straw.  
Gerstenberg & Co., grain, seeds.\*  
Holt & Co., Lowell, commission, grain and seeds.  
Hooper Grain Co., oat shippers.\*  
Lamson Bros. & Co., consignments solicited.\*  
Lipseey & Co., grain commission.\*  
Logan & Bryan, options, cash grain.  
McKenna & Rodgers, commission merchants.\*  
Merritt Co., W. H., grain, seeds.\*  
Mumford & Co., W. R., grain, hay, millstuffs.\*  
Nash-Wright Grain Co., grain, prov., seeds.\*  
Norris Grain Co., grain merchants.\*  
Paynter, H. M., grain and field seeds.  
Perrine & Co., W. H., grain and commission.  
Press & Co., W. G., grain, provisions, stocks, etc.  
Price, F. H., K. K. K. Gluten Feed.  
Quaker Oats Co., buyers of grain.  
Quinn, Geo. B., grain commission.  
Rang & Co., Henry, grain commission.  
Rosenbaum Bros., receivers, shippers.\*  
Rothschild Co., D., barley and malt.  
Rothschild Co., The Moses, general grain com'n.  
Rumsey & Company, grain commission.\*  
Sawers Grain Co., grain commission.\*  
Schiffin & Co., P. H., commission.\*  
Sincere & Co., Chas., N. Y. stocks, Chicago grain.  
Shaffer & Co., J. C., grain merchants.\*  
Somers, Jones & Co., grain and field seeds.\*  
Thayer & Co., Clarence H., commission.  
Wagner Co., E. W., receivers and shippers.\*  
Ware & Leland, grain seeds.

### CINCINNATI, O.

Chamber of Commerce Members.

Allen & Munson, grain, hay, flour.\*  
Blumenthal, Max, grain, barley a specialty.\*

### CINCINNATI—Continued.

Ellis & Fleming Brown Co., gr. and hay com'n.\*  
Union Gr. & Hay Co., grain buyers & commiss'n.\*

### CLEVELAND, O.

Bailey, E. I., grain and millfeed.\*  
Cleveland Grain Co., The, receivers and shippers.\*  
Gates Elevator Co., receivers and shippers.  
Nickel Plate Elevtr. Co., receivers and shippers.  
Sheets Bros. Elevtr. Co., The, grain, hay, straw.  
Star Elevtr. Co., receivers, grain, hay, straw.

### CRAWFORDSVILLE, IND.

Crabbs-Reynolds-Taylor Co., grain and seed dealers.

### DAVENPORT, IOWA.

Davenport Elevtr. Co., receivers and shippers.\*  
Griffith Grain Co., grain merchants.  
Hutton, Collins & Frenzel, grain brokers.

### DECATUR, ILL.

Smith & Co., F. P., grain brokers.

### DENVER, COLO.

O'Donnell Grain Co., wholesale grain.  
Simpson & Co., C. B., grain & grain products.

### DES MOINES, IA.

Taylor & Patton Co., buyers and shippers.\*

### DETROIT, MICH.

Board of Trade Members.

Carson & Co., H. C., beans, wheat, oats.  
Caughy-Jossman Co., buyers of grain and seeds.  
Dumont, Roberts & Co., receivers, shippers.\*  
H. M. Hobart & Son, grain, hay, millfeeds.\*  
Lapham & Co., J. S., recvrs. & shippers of grain.\*  
Simmons & Co., F. J., grain, hay and straw.\*  
Swift Grain Co., consignments solicited.

### DULUTH, MINN.

Kenkel-Todd Co., grain commission.  
Randall, Gee & Mitchell, grain commission.  
White Grain Co., receivers and shippers.

### ENID, OKLA.

White Grain Co., The, receivers and shippers.

### FAIRMONT, W. VA.

Evans Co., The B. F., grain, hay, flour, feed.

### FORT WORTH, TEX.

Grain and Cotton Exchange Members.

Dorsey Grain Co., receivers, shippers.  
King, Douglass W., grain feedstuffs, seed.

### FRANKFORT, IND.

Frank & Co., Wm., grain brokers.\*

### GALVESTON, TEX.

Board of Trade Members.

Fordtran, J. S., grain commission merchant.  
Wisrodt Grain Co., wholesale grain elevtr., facilities.

### GREENVILLE, O.

Grubbs Grain Co., E. A., track buyers.\*

### HASTINGS, NEBR.

Stockham, E., wholesale grain & feed.

### HOUSTON, TEX.

Gulf Grain Co., grain, hay, millfeed.  
Rothschild & Co., Sigmund, domestics expt. grain.

### HUTCHINSON, KAN.

Pettit Grain Co., L. H., gr. com., recvrs., shprs.

### INDIANAPOLIS, IND.

Board of Trade Members.

Belt Elevtr. & Feed Co., receivers and shippers.  
Boyd Grain Co., Bert A., strictly brkg. & com.\*  
Central Grain & Seed Co., recvrs. and shippers.\*  
Gale Bros. Co., grain, hay, feed.\*  
Jordan & Scholl, receivers, shippers of grain.\*  
Kinney Grain Co., H. E., receiver and shipper.\*  
Minor, B. B., grain consignments solicited.  
Montgomery & Tompkins, receivers and shippers.  
Mutual Grain Co., grain commission.\*  
Urmston-Harting Grain Co., receivers & shippers.\*  
Witt, Frank A., grain commission & brokerage.

### JACKSON, MICH.

Stockbridge Elevtr. Co., trk. buyers, slrs. gr. & sds.

### KANSAS CITY, MO.

Board of Trade Members.

Aylsworth, Neal, Tomlin Gr. Co., recvrs., shprs.  
Barrett Grain Co., consignments a specialty.  
Bruce Bros. Grain Co., consignments.  
Christopher & Co., B. C., grain commission.\*  
Croysdale Grain Co., grain commission.\*  
Davis Grain Co., A. C., grain commission.\*  
Denton Kuhn Gr. Co., consignments.\*  
Ernst-Davis Grain Co., commission.\*  
Fisher Gr. Co., C. V., receivers & shippers of gr.\*  
Fox-Miller Grain Co., receivers and shippers.  
Goffe & Carkner, recvrs. and shprs. of grain.\*  
Hinds Grain Co., The, receivers, shippers.  
Kansas City Seed & Gr. Co., grain and seeds.  
Kemper Mill & Elevtr Co., grain and feed.  
Logan Bros. Grain Co., grain merchants.  
Mensendieck Grain Co., consignments.  
Moore-Lawless Grain Co., grain receivers.\*  
Moore-Seaver Grain Co., receivers & shippers.\*  
Moss Grain Co., consignments, future orders.  
Nicholson Gr. Co., W. S., grain commission.\*  
Norris Grain Co., grain merchants and exporters.  
Roshen Grain Co., E. B., grain, flour, millfeed.\*  
Russell Grain Co., hay our specialty.  
Smith-Vincent & Co., recvrs., shprs., exptrs.

### KANSAS CITY—Continued.

Shannon Gr. Co., consignments solicited.\*  
Stevenson Grain Co., grain commission.  
Terminal Elevators, receivers, shippers.\*  
Twidale-Wright Grain Co., consignments-futures.  
Thresher Fuller Grain Co., grain commission.\*  
Watkins Grain Co., commission merchants.  
Western Grain Co., grain, mill feed, hay.  
Wilser Grain Co., commission merchants.

### KENTLAND, IND.

McCray Grain Co., wholesale grain dlrs.

### KOKOMO, IND.

Farnsworth, F. H., grain broker and track buyer.

### LINCOLN, NEBR.

Lincoln Grain Co., cash and futures grain.  
Paul, J. M., grain broker.

### LITTLE ROCK, ARK.

Munn Brokerage Co., The, grain, hay, mill feed.

### LOUISVILLE, KY.

Board of Trade Members.

Callahan & Sons, receivers and shippers of grain.\*  
Edinger & Co., grain, hay, flour.  
Fruechtenicht, Henry, hay, grain, mill products.

### LYNCHBURG, VA.

Moon-Taylor Co., grain and hay brokers.

### MANSFIELD, OHIO.

Goemann Grain Co., grain buyers.\*

### MEMPHIS, TENN.

Merchants Exchange Members.

Buxton, E. E., broker and commission merchant.  
Davis & Andrews Co., grain dealers.\*  
Hasenwinkle Co., H. J., consignments.  
U. S. Feed Co., corn, oats, hay, consignments.  
Wyatt, E. W., grain, hay, millfeed broker.

### MERCER, MO.

Alley Grain Co., oats, corn, wheat, seeds.\*

### MIDDLE POINT, O.

Pollock Gr. Co., trk. byrs., ear corn, oats, straw.

### MILWAUKEE, WIS.

Chamber of Commerce Members.

Fagg & Taylor, shprs. corn, oats, barley.  
Franke Grain Co., receivers and shippers.  
Hadden Co., E. G., grain commission mchts.\*  
Kamm Company, P. C., barley and rye.\*  
Lauer & Co., J. V., grain commission.  
Owen & Brother Co., grain commission.  
Rialto Elevtr. Co., grain receivers & shippers.  
Stacks & Kellogg, grain merchants.

### MINNEAPOLIS, MINN.

Chamber of Commerce Members.

Abbey Grain Co., grain commission.  
Brown Grain Co., grain commission.\*  
Cargill Commission Co., grain commission.  
Carter, Sammis & Co., grain commission.  
Cereal Grading Co., grain merchants.  
Dairymple Co., William, gr. com.  
Davies & Co., F. M., grain commission.\*  
Getchell-Tanton Co., grain commission.  
Gould Grain Co., grain merchants.  
Hankinson & Co., H. L., grain commission.  
Malmquist & Co., C. A., grain commission.  
Marfield Grain Co., grain commission.\*  
McCaull Dinsmore Co., consignments solicited.\*  
Minnesota Grain Co., grain commission.\*  
Quinn Shepherdson Co., grain commission.\*  
Stair, Christensen & Timmerman, gr. commission.\*  
Turle & Co., grain commission.  
Van Dusen-Harrington Co., grain merchants.\*  
Welch Co., E. L., grain commission.\*  
Zimmerman, Otto A., barley specialist.\*

### NEWARK, N. J.

Smith & Wallace Co., J. C., receivers, shippers.

### NEW CASTLE, PA.

Hamilton, C. T., grain, hay, straw, millfeed, pro.

### NEW ORLEANS, LA.

Steele Co., The J. H. W., gr. frt. brok. & forwdrs.

### NEW YORK CITY.

Produce Exchange Members.

Forbell & Co., L. W., grain commission.\*  
Kusch & Schwartz Co., oats, corn, wheat.

### OGDEN, UTAH.

Brown Co., The W. D., wholesale grain.

### OKLAHOMA CITY, OKLA.

Cowan, Arthur, grain, hay and feed.

### OMAHA, NEB.

Grain Exchange Members.

Blanchard-Niswonger Co., recvrs. & shprs.  
Cavers Sturtevant Co., receivers and shippers.\*  
Crowell Elevator Co., receivers, shippers.\*  
Holmquist Elevator Co., receivers and shippers.\*  
Kern, C. E., grain broker.  
Merriam Commission Co., consignments.  
Omaha Elevator Co., receivers, shippers.\*  
Taylor Grain Co., receivers and shippers.  
Taylor, Swanick Grain Co., receivers, shippers.  
Trans-Mississippi Grain Co., recvrs. & shprs.\*  
United Grain Co., grain commission.



# BUFFALO

## The Great Distributing Market of the Consuming East

Long before the railroads of this country were a factor in grain transportation the port of Buffalo was receiving and distributing a half million bushels annually. All of this grain, as early as 1825, came to Buffalo in small sailing craft, and the receipt of each cargo was the signal for great activity along the docks. No telegraph instruments, or telephones, assisted in the marketing of that grain; communication by mail was slow, and the places for marketing grain, such as exchanges, were unheard of. But the business of receiving, selling and distributing the commodity was accomplished with such dispatch and efficiency that the importance of Buffalo in the grain world was quickly established.

The promptness with which shippers were sent returns, and the satisfactory size of those returns were among the port's best advertisements, and the business increased to such proportions that in 1850 the traders felt the need for some organization. The grain market at the foot of Main street was serving very well as a premature Board of Trade, but certain of the grain men believed a more formal gathering place would be of advantage. This agitation led to the establishment of the Merchants Exchange, and a little later in the erection of the old Board of Trade Building.



Headquarters of the Corn Exchange of Buffalo, Chamber of Commerce Building.

The port continued to boom as a grain center and distributing point, handling nothing but lake grain, and in a short time the Board of Trade building was outgrown. Buffalo's other lines of commerce were also growing fast and the little city felt the need of a Chamber of Commerce. The Merchants Exchange presented much good material, and the chamber was organized. Then again arose the question of cramped quarters, the grain men being affiliated with the Chamber of Commerce. Another body, the Manufacturers' Ass'n, also sprung into existence, and the city was confronted with the proposition of having too much of one good thing—boosters. The result was a consolidation of the three, Merchants Exchange, Chamber of Commerce and the Manufacturers' Ass'n.

Within recent years the grain men found they were a mere handful in the total membership of that large ass'n and realized the need of an organization of their own. The Corn Exchange, to deal solely with grain trade problems, is the result. Tho still affiliated with the Chamber of Commerce and occupying space in the same building it is an entirely separate body.

That expansion in the organization handling the Buffalo grain was necessary, is shown by the increased receipts for different periods, and in the ever increasing handling of storage facilities at the port. Forty years ago Buffalo boasted of only one fireproof elevator, since torn down as inadequate, and had a total storage capacity of only a few million bushels. This amount today could be stored away in two of the 31 plants, which offer storage space for over 25,000,000 bushels.

The following table shows receipts of wheat, corn, oats, rye and barley by lake at Buffalo for the period from 1870 to 1914, inclusive:

RECEIPTS OF GRAIN BY LAKE.*					
	Wheat.	Corn.	Oats.	Rye.	Barley.
1870.....	20,556	9,410	6,846	6,846	17,821
1871.....	22,355	26,494	9,004	1,142	1,710
1873.....	30,183	27,715	5,401	902	833
1875.....	30,586	16,455	4,321	157	170
1880.....	40,510	62,214	1,649	743	335
1885.....	27,130	20,959	767	309	577
1890.....	24,490	43,693	13,500	1,329	5,302
1895.....	46,000	38,244	21,943	787	10,253
1900.....	47,826	63,192	28,422	1,314	9,868
1905.....	40,453	32,753	25,734	689	14,625
1910.....	50,669	23,002	12,550	336	11,281
1911.....	68,763	29,435	9,591	755	9,284
1912.....	108,244	12,750	10,580	1,250	12,178
1913.....	114,129	18,960	20,520	1,051	17,300
1914.....	100,442	14,309	11,858	4,268	13,229

\*000, or the hundreds column, omitted from each number.

The Erie Canal, finished in 1834, is still doing service, using the same type of boats that were placed upon it 80 years ago, but within the next two years the new Barge Canal is expected to be opened, adding further to the facilities of the port.

In addition to the elevator companies two score of grain receiving firms, enormous flour, breakfast food, and feedstuffs plants, six large seed companies and a dozen maltsters with an investment of over \$15,000,000, are ready to serve the dealer negotiating with Buffalo.

From 10:30 to 2:15 o'clock each day this group of men, all members of the Corn Exchange, can be found on the commodious exchange floor, which is particularly well adapted to their convenience and to the expediency of trades. Rows of sample tables are arranged extending over the greater part of the floor and each table is high enough to permit of easy inspection of the grain without the need for stooping.

(Continued on Page 221.)



*When shipping*

# Damp or Off Grade GRAIN

ship to the market which has the best  
facilities for handling it.

## BUFFALO

is unsurpassed in its equipment for  
drying and disposing of damaged grain.

## Dudley M. Irwin

has established a special department for  
handling off grade grain on this crop.  
Send him your damaged grain and get  
best results.



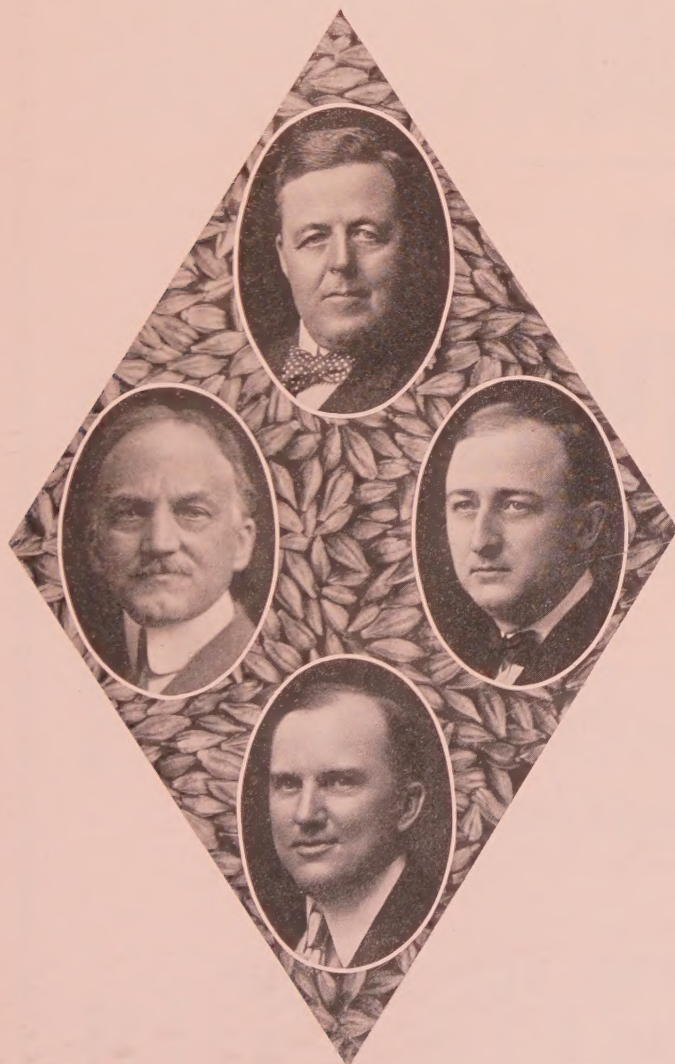
Large windows and a high ceiling offer plenty of light and air and a big blackboard that can be seen from every section of the exchange hall, extends entirely across one of the walls. Here is posted continuous quotations of the Chicago market, together with quotations and market information from all over the country and abroad. Both the Western Union and Postal Telegraph Companies have quarters on the floor for the convenience of the traders. Each of the companies represented on the Corn Exchange has a private telephone and booth in one corner of the room. The office of Sec'y Pond is conveniently reached from either the exchange hall or the offices of members, most of whom are housed in the Chamber of Commerce Building.

The Chamber of Commerce Building is a modern fireproof 13-story structure of brick, tile and stone, and adjoins the old Chamber of Commerce Building. The two have been joined at each floor level, making the exchange hall as easily accessible to those members in the older section as it is to those in the new building.

Tho the city is really the distributing point for much of the supplies of the east, over 61,000,000 bushels of grain remains in Buffalo each year for local consumption or for manufacture into flour, malt, feedstuffs or cereal products. Of this amount 27,000,000 bushels is corn, 21,000,000 bushels wheat and 13,000,000 bushels barley, the latter being taken by the large malt plants of the city. Views of these grain handling and storage plants are shown in the Supplement to this number of the Journal.

The banking houses of Buffalo all reflect the same prosperity which is apparent in the grain and other trades. One of the institutions, which has just completed an immense modern building, ranks 15th among the country's national banks in the matter of deposits.

Officers of Buffalo Corn Exchange.



F. A. McLellan, Pres.

D. M. Irwin, Vice-Pres.

W. J. Heinold, Treas.

Fred E. Pond, Sec'y.

# GRAIN

## A. W. HAROLD

# BARLEY

# A

# SPECIALTY

Chamber of Commerce, **BUFFALO**



**URMSTON**  
nsurpassed

**HARTING**  
andling

**GRAIN**  
iven

**COMPANY**  
onsignments

*Mark your next  $\frac{B}{L}$  to  
Buffalo for satisfaction*

Same service given you by our  
Indianapolis office.





Members Grain Inspection Department, Buffalo Corn Exchange.  
(See Page 225.)

If It's  
**GRAIN**  
BILL IT TO  
**BURNS**  
at  
**BUFFALO**

**Whitney-Eckstein  
Seed Co.**

*Wholesale Seed  
Merchants*

**BUFFALO, N. Y.**

**Recleaners, Importers and  
Exporters of Grass and  
Clover Seeds**



# PRATT & CO.

BUYERS AND SELLERS OF ALL KINDS OF GRAIN

OPERATE THE

# SUPERIOR ELEVATOR

CHAMBER OF COMMERCE, BUFFALO, N. Y.

Consignments to Buffalo

OF

Soft Wheat  
and Rye

Should come to us.

Get our special letter  
on the Rye situation  
for this crop.

LEWIS GRAIN CO., Inc.

Chamber of Commerce,  
BUFFALO, N. Y.

We Specialize on  
Consignments of  
all kinds of

# Grain

Try us out on  
your next car

Doorty Ellsworth Co., Inc.

Chamber of Commerce

BUFFALO



## Grain Inspection and Weighing Service at Buffalo.

BY SEC'Y FRED E. POND.

Grain inspection at Buffalo has been recognized officially for more than forty-five years. In the year 1869 an Official Inspection Department was established by the Merchants Exchange and was continued under the auspices of this body until some years later when the Chamber of Commerce was organized. The Inspection Department was continued without any change being made in the methods of operation, and it was during this time that an Official Weighing Bureau was inaugurated. On April 1, 1906, the Corn Exchange commenced activities, and since this date has maintained and operated the trading floor and the inspection and weighing departments; and in general assumed from the former Association complete jurisdiction in matters pertaining to the grain trade at the port of Buffalo.

The Buffalo market takes a great deal of pride in the high efficiency maintained not only in its Grain Inspection Bureau, but also in its Weighing Department, both of which departments extend to all elevators and mills in the market. Buffalo official grades and weights are of such recognized high standing in the entire grain growing section of the middle west and northwest, and especially throughout Ohio, Illinois and Indiana, which states are directly tributary to Buffalo, that numerous shippers route their grain through the Buffalo market in order to obtain Corn Exchange official certificates of inspection and weight. These certificates are obtained by having the respective departments of the Exchange inspect and supervise the weighing of the grain through one of the many Buffalo elevators; and the issuance of such certificates is a guarantee of the correct classification and weight of the grain.

The Buffalo Corn Exchange is always on the alert in order that the highest efficiency may obtain and for this purpose is constantly checking the weighing facilities at the various houses, and employs an expert scale man, whose duty for the past thirty years has been not only to test scales and keep same under proper seal, but to check the general conditions at all elevators for the sole purpose of obtaining accuracy. The Inspection and Weighing Department, through its deputies, examines all cars on day of arrival—noting any exceptions against the physical condition of the car box, defects in grain doors; records the seal condition on both sides of car; also takes a record of which seal is removed when inspection is made; also records the Corn Exchange seal, which is applied after inspection of the grain. A similar examination of the physical condition and seal record is made on arrival of all cars at elevators for unloading. All exceptions, which are noted against the physical condition of the car or defects in seals, are reported on specially prepared Condition Certificates which are tabulated daily and delivered to the local receivers for mailing to the shipper. The physical examination of cars is absolutely impartial and is most valuable to the shipper in connection with claims for losses in transit.

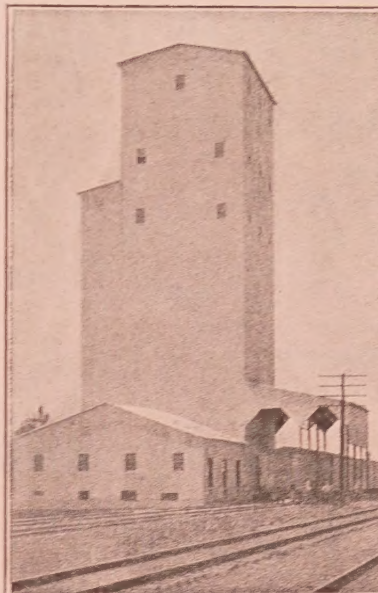
The Corn Exchange maintains an efficient force of well trained deputy grain inspectors and weighers, and the department is at all times well equipped to handle the large quantities of grain received. While new men are from time to time under expert training, it is most gratifying to note that many of the deputies are men of experience covering many years of service in the department. The Exchange, realizing that prompt service is one of the first essentials in the handling of grain, operates two automobiles in order that official samples of grain received may receive quick delivery to the office of the Chief Inspector for final inspection, and thereafter delivered to the members of the Exchange for disposition before the close of the market.

It is interesting to note that grain received at Buffalo is in such large volume and from so many different established markets, where official inspection departments are maintained, that the Buffalo Inspection Department holds an exceptional position for a comparison not only of the varying quality and character of the various grains from different points, but also the degree of uniformity applied in the grading of grain at many inspection centers.

Alfred Anderson, Chief Grain Inspector and Weighmaster, is at the head of an operating force of thirty deputies in the Inspection and Weighing Department. Mr. Anderson received this appointment in March, 1907. He was formerly Chief Inspector of the Peoria Board of Trade for five years, and with twenty-two years' experience in connection with the Inspection and Weighing of grain, he is well qualified to fill the position he now holds.

The Corn Exchange has adopted and is operating under the Federal Corn Grades, established by the United States Dep't of Agriculture. In respect to other grains, the Corn Exchange in conjunction with practically all other grain exchanges in the United States adopted and operates the uniform Grade Rules promulgated under the joint efforts of the Grain Dealers National Association and Committees representing the numerous exchanges of the country. (See Page 223.)

OUR facilities are unexcelled. Send your grain to us at Fostoria "On the edge of the Grain Belt" for quick service,



or Buffalo, N. Y., if preferred. Personal attention at both places.

Consignments solicited.

**TOWNSEND-WARD CO.**

Office—Buffalo, N. Y. Elevator—Fostoria, Ohio

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STANDS BETWEEN DEPOSITORS AND  
LOSS IN

**The Marine National Bank**

Of Buffalo, N. Y.

This amount is equaled by less than  
18 National Banks in the United States

Capital	-	\$5,000,000.00
Stockholders' Liability		5,000,000.00
Surplus and Profits		4,800,000.00
		<b>\$14,800,000.00</b>

**Borrowing and Depositing Accounts  
Solicited**

INTEREST PAID

Resources in excess of

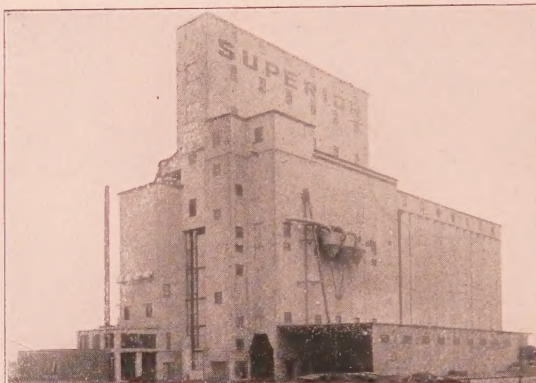
**\$64,000,000.00**



# LIST OF BUFFALO, N. Y., ELEVATORS AND MILLS EQUIPPED WITH "BUFFALO" SCALES

## ELEVATORS

Superior  
Concrete  
Electric  
Wheeler  
Kellogg  
  
Globe  
Monarch  
Marine  
Dakota  
Evans



## MILLS

Thornton & Chester  
Urban Mills  
Banner Milling Co.  
Clover Leaf Milling Co.  
Nowak Milling Corp.  
South Western Mill Co.  
Ralston Purina Co.  
H-O Company

## MALTSTERS

John Kam Malting Co.  
Curtis Malting Co.  
Kreiner & Lehr  
Geo. M. Meyer Malting Co.  
Henry C. Moffat  
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Reliability of weights at Port of Buffalo is known to every grain dealer in the Central and Eastern States.

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**BUFFALO SCALE COMPANY, Inc.**

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We are practically always  
in the Market for

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Barley, Kaffir  
Corn, Milo  
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Wheat, Corn  
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Oat Clippings**

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BUFFALO NEW YORK

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Chamber of Commerce

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**ALL GRADES  
of  
MILL FEEDS**

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to the Buffalo Market. We solicit your shipments.

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FOR BEST RESULTS SHIP YOUR GRAIN TO  
**W. G. Heathfield & Co., Inc.**

CONSIGNMENT SPECIALISTS

Chamber of Commerce

BUFFALO, N. Y.

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RECEIVERS AND SHIPPERS  
BUFFALO - - - - - NEW YORK



# Directory of the Grain Trade

In Organized Markets Only Members of the Local Grain Exchange Will Be Listed

## PEORIA, ILL.

### Board of Trade Members.

Buckley, Pursley & Co., grain and seeds.\*  
Dewey & Sons, W. W., grain commission.\*  
Cole Grain Co., Geo. W., grain commission mchts.  
Grier & Co., T. A., grain commission.\*  
Miles, P. B. & O. C., grain commission.\*  
Mueller Grain Co., receivers and shippers.\*  
Rumsey, Moore & Co., grain receivers.\*  
Tyng, Hall & Co., grain commission.\*

## PHILADELPHIA, PA.

### Commercial Exchange Members.

Delp Grain Co., E. E., grain and millfeeds.\*  
Dunwoody Co., Est., flour, grain feed.\*  
Graft & Son, L. G., receivers and exporters.  
Lemont & Son, E. K., hay, grain, millfeed.\*  
Miller & Sons, L. F., grain, seeds, hay.\*  
Pulits & Co., J. B., grain and feed.\*  
Richardson Bros., grain, flour, millfeeds.\*  
Richardson, Edw. M., grain and feeds.\*  
Stites, A. Judson, grain and millfeed.

## PINE BLUFF, ARK.

Riley Com. Co., mfrs. alfalfa & molasses feeds  
& chicken feeds; jobbers mill feeds & cereals.

## PITTSBURG, PA.

### Members Grain and Hay Exchange.

Elwood & Co., R. D., hay and grain.\*  
Geldel & Leubin, grain and hay.  
Hardman & Heck, grain, hay and millfeed.\*  
Heck & Co., W. F., grain, hay and millfeed.\*  
Herb Bros. & Martin, grain and hay.\*  
McCague, E. S., grain, hay.\*  
Smith & Co., J. W., grain, hay feed.\*  
Stewart, D. G., grain, hay, feed.\*  
Walton Co., Sam'l, grain and hay.\*

## PONTIAC, ILL.

Balbach, Paul A., grain buyer, all markets.  
Worth-Gyles Grain Co., cash grain and futures.

## PUEBLO, COLO.

McClelland Met'l I. & R. Co., grain, hay & feed.

## RICHMOND, VA.

Beveridge & Co., S. T., grain, hay, feeds, seeds.

## SAGINAW, MICH.

Smith-Connor H. & Gr. Co., hay and grain.

## SIOUX CITY, IOWA.

### Board of Trade Members.

McCann-Dinsmore Co., The, gr. & com. mchts.

## ST. JOSEPH, MO.

Gordon Comm. Co., T. P., grain dlr. and broker.\*  
St. Joseph Hay & Feed Co., gr. & hay dlrs.

## ST. LOUIS, MO.

### Merchants Exchange Members.

Elmore Schultz Gr. Co., revrs. & shprs. grain.  
Goffe & Carkner Co., grain commission.\*  
Graham & Martin Grain Co., grain commission.\*  
Marshall-Hall-Waggoner Grain Co., grain com.  
Jones-Wise Com. Co., grain, hay and seeds.\*  
Langenberg Bros. Grain Co., grain commission.\*  
Morton & Co., grain, hay and seeds.  
Mullally Com. Co., Martin, consignments.\*  
Nanson Commission Co., grain commission.\*  
Picker & Beardsley Com. Co., grain & grass seed.\*  
Seale Bros. Grain Co., grain merchants.  
Toberman, Mackey & Co., consignments solicited.\*

## STREATOR, ILL.

Mills, W., grain commission mer.

## TERRE HAUTE, IND.

Kuhn & Co., Paul, receivers and shippers.\*

## TOLEDO, O.

### Produce Exchange Members.

De Vore & Co., H. W., grain and seeds.\*  
Paddock Hodge Co., The, receivers and shippers.  
Rundell & Co., W. A., grain and seeds.\*  
Southworth & Co., grain and seeds.\*  
Wickenhiser & Co., John, grain revrs., shippers.  
Young Grain Co., consignments, futures.  
Zahn & Co., J. F., grain, seeds.\*

## TOPEKA, KANS.

Cardwell Grain Co., M. W., grain and seeds carlots.  
Derby Grain Co., grain dealers.

## WICHITA, KANS.

### Board of Trade Members.

Beall Grain Co., specialty milling wheat.  
Bossemeyer Bros., grain merchants.\*  
Bruce Bros., Grain Co., consignments.  
Craig Grain Co., J. W., consign'ts & mill orders.\*  
Hacker Grain Co., recvr., shpr. grain feed.  
Harold Grain Co., J. R., milling wheat.  
Kansas Flour Mills Co., The, expts., consign'ts.  
Kansas Milling Co., The, millers and grain dealers.  
Keith Grain & Com. Co., grain & commission.\*  
Kelly Grain Co., Edward, consignments.\*  
Kemper Grain Co., The, receivers and shippers.\*  
Marshall Hall-Waggoner Grain Co., exporters.  
McCullough Grain Co., consignments.\*  
Norris Grain Co., The Exporters.\*  
Powell & Co., L. H., receivers and shippers.\*  
Roehen Grain Co., E. E., grain, flour, mill feed.\*  
Roth Grain Co., receivers and shippers.  
Strong Grain & Coal Co., B., grain & coal.  
Wallingford Bros., receivers, shippers.\*  
Williamson Grain Co., grain commission.\*  
Woodside Smith Grain Co., receivers & shippers.

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means QUALITY, LOW  
OPERATING COST,  
and SATISFACTION

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## FEED GRINDING MILLS

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BUFFALO, N. Y.

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*Buyers of*

White Corn

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White Oats

Barley

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*The Best of Service in Either Market*

KANSAS CITY, MO.

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Solicit Your Consignments  
and Future Orders3 years' Experience ought to be Guarantee  
of Good Service**MOORE-LAWLESS GRAIN COMPANY**CONSCIENTIOUS SERVICE ON CONSIGNMENTS

KANSAS CITY, MO.

We Have Real Selling Ability.  
Use it for your Consignments.**W. S. NICHOLSON GRAIN CO.**

Established 1895

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E. D. FISHER

**WILSER GRAIN COMPANY**

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Consignments Solicited

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Universal CodeMembers of Kansas City  
Board of Trade

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Board of Trade, KANSAS CITY, MO.

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Consignment Service***Mensendieck Grain Co.**

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ESTABLISHED 1878**"GET THE SMILE HABIT"**

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Quick Returns to all. Ask for Our Bids

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options.

Each sheet is headed "Board of Trade Quota-  
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19.." Columns are provided for 4 Wheat op-  
tions, 4 Corn and 4 Oats; have spaces for the  
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Personal attention given Sample Grain

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MOSES ROTHSCHILD CO.

Handle consignments or sales to arrive  
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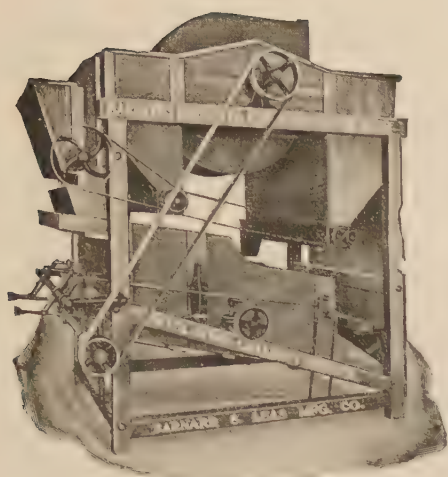
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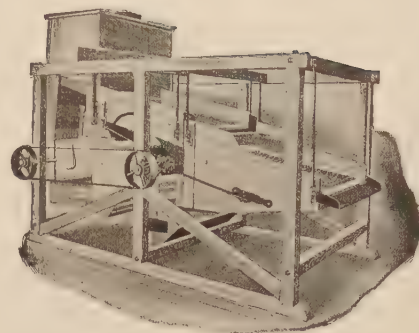
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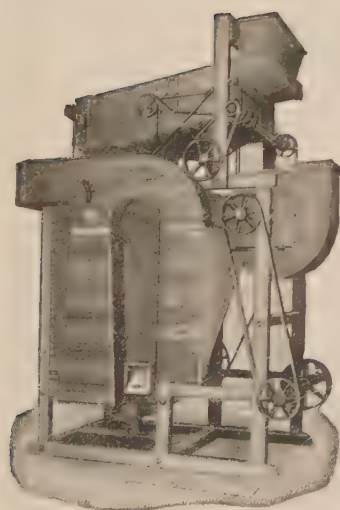
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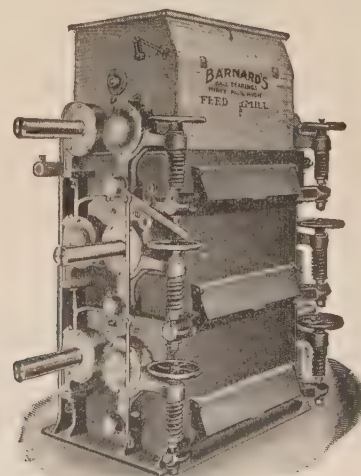
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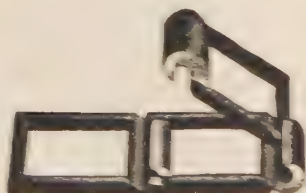
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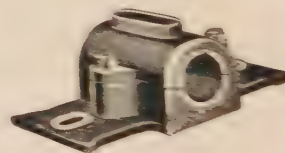
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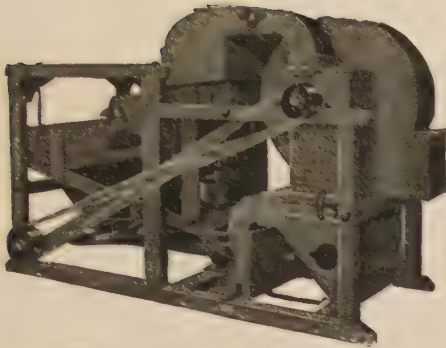
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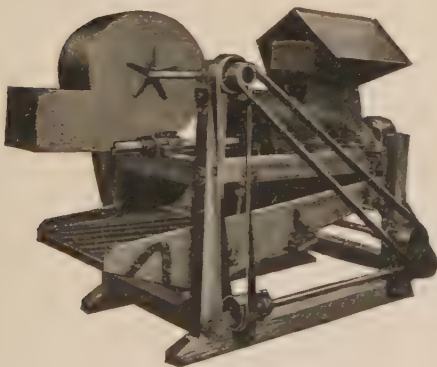
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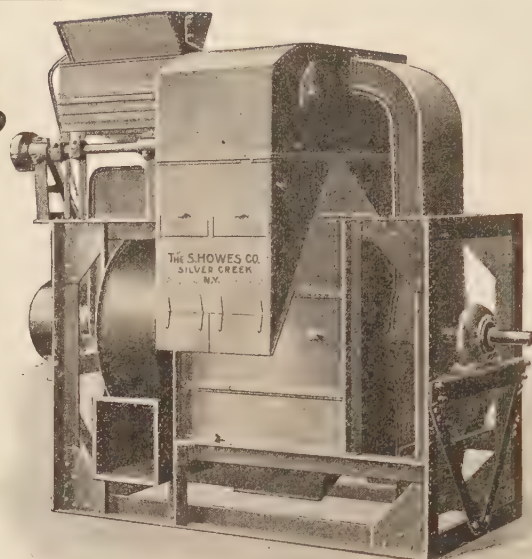
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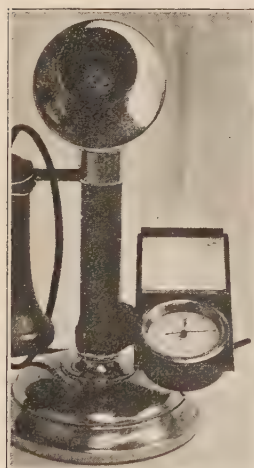
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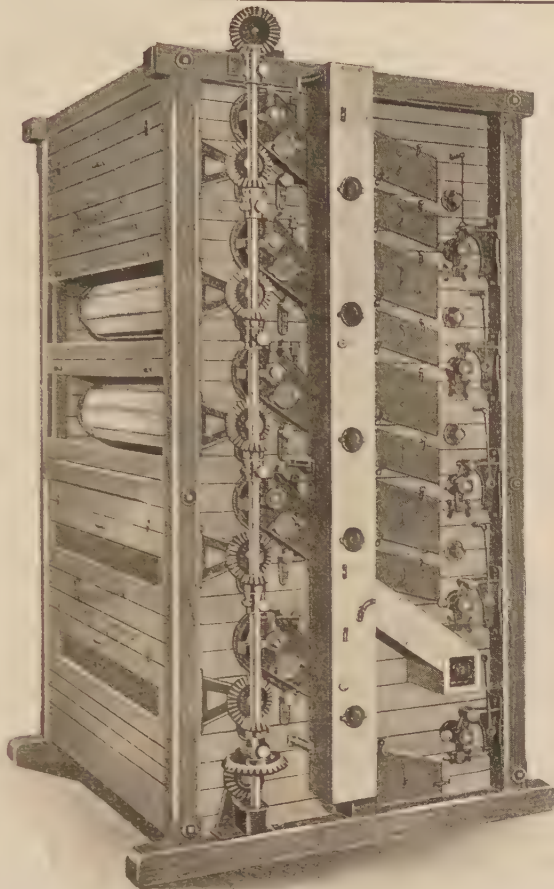
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**GRAIN DEALERS JOURNAL**

315 South La Salle Street

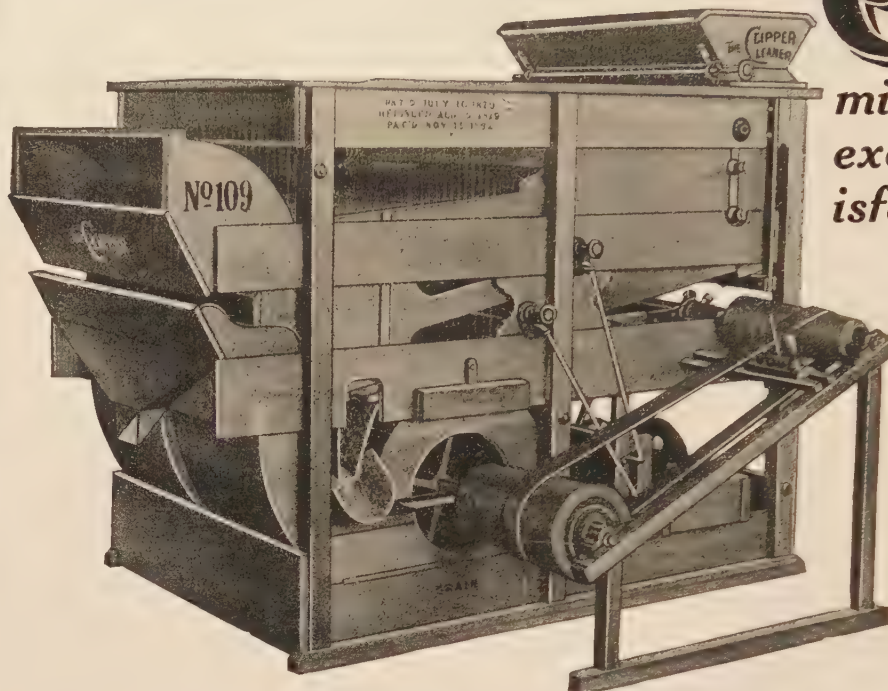
Chicago, Illinois



Once Installed the

**CLIPPER**

*fails to re-  
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Its service is the even, steady performance of a perfectly balanced piece of mechanism.

Its economy is the kind that comes from the lowest maintenance cost.

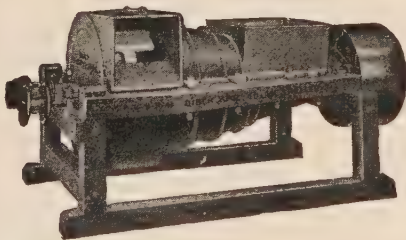
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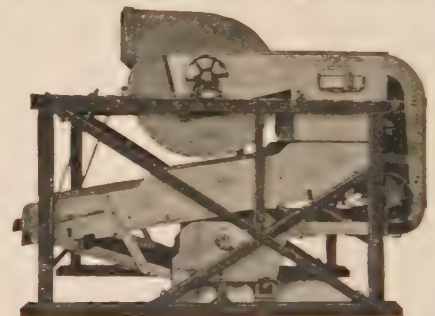
**A. T. Ferrell & Co. Saginaw, W. S., Mich.**

U. S. CORN SELLER



What the S. O. S. call means to the wireless operator, the B. S. C. call means to the grain operator—*unhesitating service with all means at command.*

U. S. GRAIN CLEANER—Single Machine



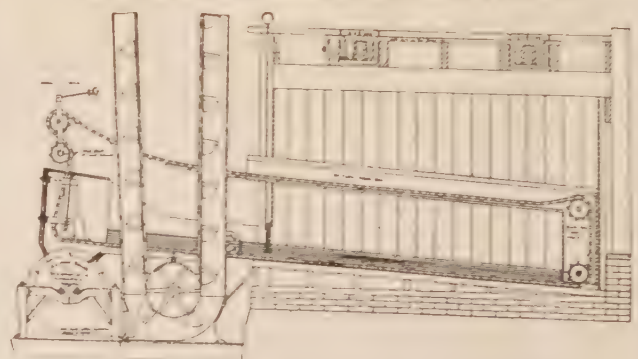
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The "U. S." line of grain cleaning, shelling, elevating, conveying, and power transmitting machinery and the "B. S. C." service, which goes with it, are invaluable to all grain dealers, and are always at your command.

*Our catalog No. 3 describes our entire line.  
A copy is yours for the asking.*

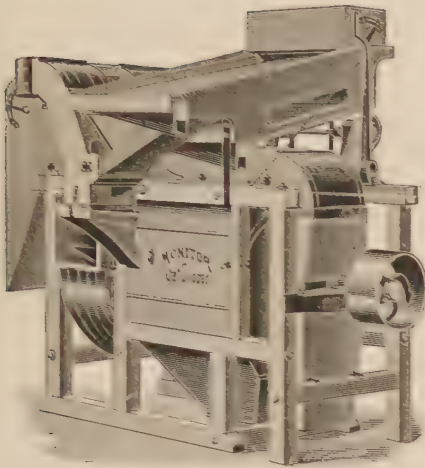
**A COMPLETE STOCK**  
with

CHAIN GRAIN CONVEYOR AND FEEDER



**B. S. Constant Manufacturing Co. Kansas City Mill & Elevator Supply Co.**  
BLOOMINGTON, ILLINOIS KANSAS CITY, MISSOURI





*Monitor*

**Oat Clippers  
Smutters, Cleaners**

One hundred and thirty-s x "Monitors" to select from. Several styles of Oat Clippers, Smutters and Cleaners—a "Combination" machine that answers for clipping, smutting and cleaning. If you buy, get the best—a "Monitor," catalog No. 45 explains.

# What will you do?

**With Rusty Oats, Sprouted Oats  
Smutty Wheat and Sprouted Wheat**

The burning question with hundreds of grain dealers right now is, what are we going to do with the rusty, sprouted oats and the smutty, sprouted wheat the farmers are going to bring us? There is but one logical answer—prepare to handle them with a machine that will give you the most in perfect service for the least in care and general operating expense. Many grain dealers are letting this year's big opportunity get by—they are in the minority, however, as most of the live, progressive dealers, if not equipped, will be. It is safe to say that this year, as for many of the past, *most* of them will buy "Monitors."

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Chain Belt, Sprocket Wheels,  
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We have in stock a complete line of

## Western Shellers and Cleaners

**MIDEKE SUPPLY CO.**

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## Grain Scale Book

Form 23 is an Indexed Journal, keeps a record of 10,000 wagon loads. Each man's loads are entered on his page. It keeps a record of scale weights. From it both debits and credits are posted to ledger, crediting the customer with the amount received and charging it to the grain's account.

In using this book the dealer minimizes the chance of making errors by posting from original entries.

The book is ruled with column headings as follows:  
Date; L. F.; L. F.; Kind of Grain; Remarks; Gross; Tare;  
Net; Bushels; Pounds; Price; Amount.

The book contains 240 pages, size 10x15 inches. The best lined ledger paper is used. The regular ledger index in front will accommodate all names necessary. The book is bound in extra heavy cloth covers with leather back. Price, \$2.50.

## GRAIN DEALERS JOURNAL

315 So. La Salle Street

CHICAGO, ILL.



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J-M Asbestos Roofing and Siding  
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New York and every large city

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### The Van Ness Safety Roller Bearing Manlift

Is built for service. Made from Selected White Birch, has direct acting springs, double safety device that will not fail, runs easy, unnecessary to bolt or lock it while not in use.  
Has wire cable and cotton hand line. Sold on 30 days' trial. Write for circulars and prices.

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Branch Offices at  
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### CLAIM LOSSES Prevented with TYDEN CAR SEALS

bearing shipper's name  
and consecutive numbers.

**6,000 SHIPPERS**

are now using  
Write for samples and  
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**INTERNATIONAL SEAL & LOCK CO.**  
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### SUCCESS SAFETY MAN LIFT

ATTENTION,  
ELEVATOR CONTRACTORS!

Write us for our Special  
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DO IT NOW

**HASTINGS**  
Foundry & Iron Works  
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20 years' guarantee, one year's trial. Write  
for particulars and information bulletin.

**The Challenge Mfg. Co.**  
MORRIS, ILLINOIS



Live weevil plus a little Fuma equals  
dead ones every time.

**Fumigate Your Elevators and Mills with**

**FUMA**

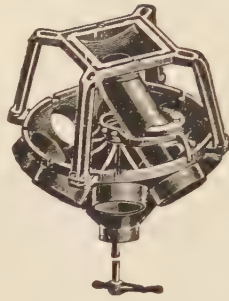
The only satisfactory method of treating grain  
in the bin, kills all insects, weevils, moths, etc.

10c. per lb., in 50 lb. and 100 lb. drums.

Send for printed matter.

**EDWARD R. TAYLOR**

Manufacturing Chemist PENN YAN, N. Y.



### NOTE THIS:

"Turn Heads" and "Turn Spouts" existed since Seeley's invention in the 'Sixties. But a "Distributor" was unknown before the

### HALL SIGNALING GRAIN DISTRIBUTOR

was invented. Since then any sheet metal spout is dignified with the name "Distributor."

### NOTE AGAIN:

The device, or the name, "Non-chokable Boot" never existed until the

### HALL NON-CHOKABLE BOOT

came out. Now notice the number who would thrive on the reputation of others by applying the words "Non-chokable" to spurious wares.

### HALL SPECIAL (Elevator Leg)

is recent. But harpies already appear.

Where do you find genuineness? Among inventors or among pirates?

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Crush ear corn (with or without shucks) and grind all kinds of small grain.

Handy to operate—lightest running. 10 sizes: 2 to 25 h. p., capacity 6 to 200 bushels. Conical shape Grinders. Different from all others.

Write for Catalog  
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**The N. P. BOWSER CO.**  
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### Sample Envelopes

Non-Sifting

Designed especially for mailing samples of grain and seed. Specimens free.

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### Cover's Dust Protector

Rubber Protector, \$2.00

Sent postpaid on receipt of price; or on trial to responsible parties. Has automatic valve and fine sponge.

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So many grain shippers are experiencing difficulty in obtaining cars, many are now keeping a carbon copy of each order for cars, in order to keep an accurate record of their efforts to obtain cars, to facilitate proving delay by railroad company and to encourage railroad agents to heed shippers' needs. Car order blanks are put up in books of fifty, with machine perforations, so that order can be torn out and sent to carrier's agent and carbon copy be retained in book. Fifty orders and 50 duplicates in each book. Price, \$50 cts.

**Grain Dealers  
Journal,**

315 So. La Salle St.  
CHICAGO, ILL.

### Gerber Spouting Has No Equal



The Patent Flexible Chain Telescope Car Loading Spout is the best, yet cheapest, as it will outwear two ordinary flexible spouts. Made of special metal.

Every spout  
guaranteed as  
represented.

### The Latest Improved Distributing Spouts

will absolutely prevent the mixing of grain. The best of material and workmanship have given them a world-wide reputation.



Don't accept those "almost as good." For satisfaction, get the genuine, made by

**J. J. GERBER**

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### TONS to Dollars and Cents

Shows at a glance the cost of any number of pounds of coal or hay at any price per ton from \$1.00, \$1.25, \$1.75, \$2.00 and so on to \$14.00. Well printed on good paper, and bound in cloth; marginal index. Size 4½x8½ inches, 110 pages. Price \$1.00.

**GRAIN DEALERS JOURNAL, 315 So. La Salle St., CHICAGO, ILL.**





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In other words install a RICHARDSON AUTOMATIC SCALE and JUSTICE will be your partner. There is no scale made that is more accurate. No scale easier to adjust and operate. You can't afford to ship grain without it. It is the best INSURANCE POLICY issued. If you are one of the live ones don't wait another day to get acquainted with the Richardson and its live wire representatives. Ask about the SERVICE that goes with it.

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is the most satisfactory dump in use today. It is simple in construction, compact, requires little space in the driveway, easy to operate, requires no blocking of wagon, and does not break coupling poles. The advantage over other dumps is that it takes up no room in your dump, you can fill your dump to the floor, and with the addition of rope, extra rollers or snatch blocks it can be made to dump into as many openings as required. Power can be easily applied to this dump. Furnished with either wood or steel roller, with plain or roller bearings.

**The Philip Smith Mfg. Company**

**SIDNEY**

**OHIO**

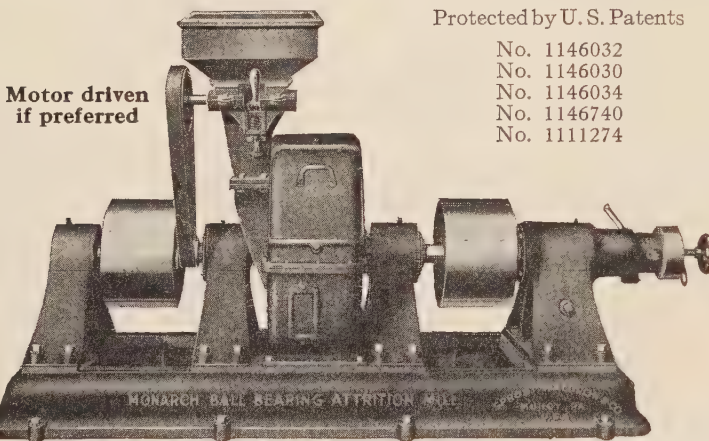
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No matter how much or how little you pay for a Feed Grinder, its value depends on the profit resulting from its operation.

The basis of profit, in the milling business, is economy and we claim—AND CAN PROVE—that the most economical and generally satisfactory Feed Grinder on the market, is

## THE MONARCH BALL BEARING ATTRITION MILL



Motor driven  
if preferred

Protected by U.S. Patents

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Economical in power, lubricant and cost of maintenance and attention.

Satisfactory in capacity, uniformly fine grinding, construction, accessibility of parts, convenience and cleanliness.

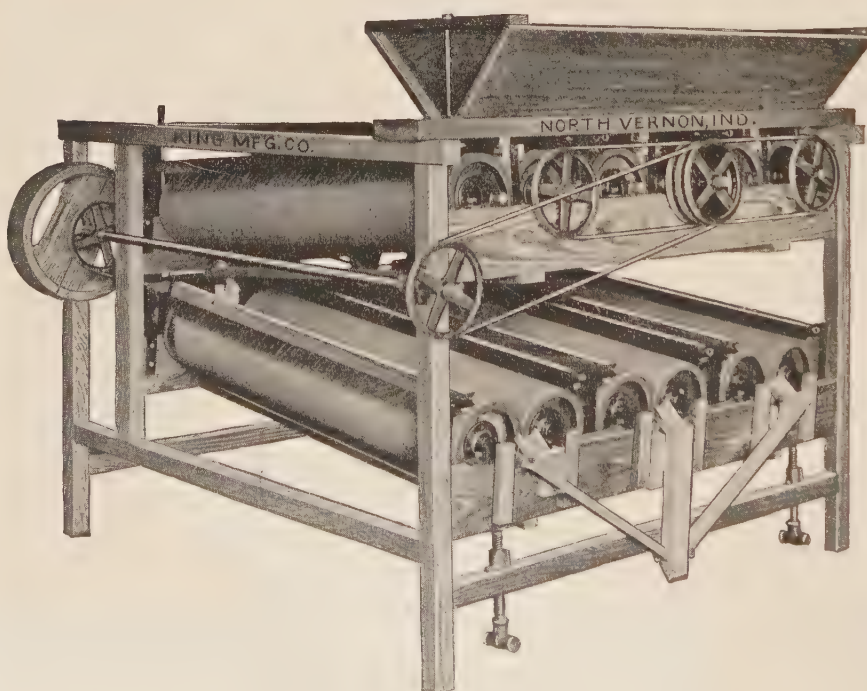
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Milling Engineers

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We have corrected all reel trouble, and cut the floor space occupied by all models of machines right in two, thus making them much more convenient to install.

We have added 25% to the cost of manufacturing and made a slight reduction in the retail price.

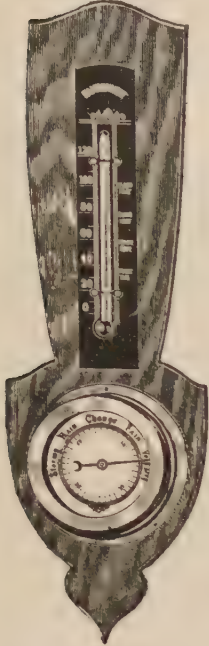
Address all inquiries to the

**King Manufacturing Co.**  
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A new instrument which combines an accurate thermometer and a reliable barometer.

Invaluable to the shipper and the farmer and to everybody who must be able to know in advance what the weather will be.

FORECASTS WEATHER  
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Send your order and Weatherometer will be sent by Parcel Post, C. O. D. \$1 bill can be enclosed if you prefer.

Guaranteed to be Satisfactory.

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Grain is actually improved by its passage through a

## MATTOON CAR LOADER AND GRAIN CLEANER

The grain being carried by a regulated air force, naturally the lighter matter such as chaff, dust and straw would be carried out by the spent air, and the clean grain lodge in the car.



Send for full particulars today

Mattoon Grain Conveyor Co.  
Mattoon, Illinois

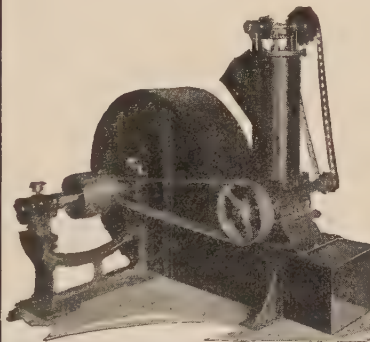
Grain also traveling in a cool air current would naturally become cooled.

The loading spout travels continuously in a semi-circle. This insures even distribution and perfect stirring of grain.

Bear in mind that the Mattoon unlike any other, loads the car to full capacity, does not mill or crack the grain, is strong, durable and works automatically.

## Efficiency--Satisfaction

This is what you get by installing the Bernert Pneumatic TRACK-LOADER. Just as EFFICIENT and SATISFACTORY as the other Bernert Pneumatic machines have proven. Portable or stationary.



With this machine grain is handled direct from wagon into granary, bins, warehouses or cars. Direct from cars to cars, or warehouses to cars. No scooping necessary whatever.

All grain handled ahead of the fan. Positively no grain injured. Wet, dirty or musty grain conditioned.

For further information, or if interested in a Pneumatic Conveyor, Elevator or Carloader write to

**Bernert Mfg. Co.**

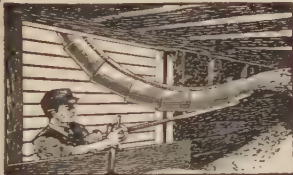
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**The ENGLEHART FLEXIBLE SPOUT HOLDER and CAR LOADER**

Saves dockage, time, labor, health and money. Hundreds now in use in 20 states.

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L. E. TAYLOR & CO.  
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## The Automatic Dump Controller



Be sure you are familiar with our Automatic Dump Controller before purchasing.

It is the only controller on the market today that will allow the wagons to settle with such ease and comfort that the Farmer delights in bringing his Grain to you.

This little device is welcomed by everyone wanting simplicity, convenience and durability.

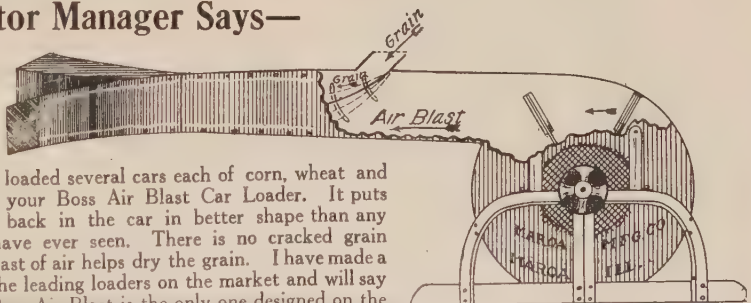
Circulars sent upon request  
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Aug. 9,  
1915.



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E. C. HOLLIS, Manager  
Hasenwinkle Grain Co.

Send for list of users, also for our complete catalogs, today. We manufacture 12 different styles to meet every special condition found around an elevator.

MAROA MFG. CO.

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MAROA, ILL.



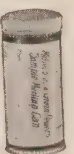
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DAYS' TRIAL

No matter what your requirements are, we have a Friction Clutch that fits your need in size, style and price. Get our FREE BOOKLET.

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For Accurate Moisture Tests  
use our Grain Dealers Air  
Tight Cans for forwarding  
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The Most Efficient Belt for Elevating and Conveying Service



Two Carloads Rexall Belting

Total Weight 80,000 Lbs.  
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### AT A GLANCE

Direct Reduction Grain Tables

32 lbs. per bushel — OATS

Pounds	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
100	3.125	3.556	3.968	4.375	4.778	5.177	5.572	5.963	6.350	6.733	7.112	7.488	7.861	8.231	8.598	8.962	9.323	9.681
110	3.409	3.889	4.344	4.794	5.239	5.680	6.116	6.548	6.976	7.400	7.820	8.236	8.649	9.058	9.464	9.867	10.267	10.664
120	3.690	4.211	4.708	5.199	5.685	6.166	6.643	7.116	7.585	8.050	8.511	8.968	9.421	9.871	10.318	10.762	11.203	11.641
130	3.968	4.520	5.044	5.561	6.072	6.578	7.080	7.578	8.072	8.563	9.050	9.533	10.013	10.489	10.962	11.432	11.899	12.363
140	4.244	4.827	5.382	5.930	6.472	7.010	7.544	8.074	8.600	9.123	9.643	10.160	10.674	11.185	11.693	12.198	12.699	13.197
150	4.519	5.124	5.700	6.269	6.832	7.390	7.944	8.494	9.040	9.583	10.123	10.660	11.194	11.725	12.253	12.778	13.299	13.817
160	4.794	5.421	6.018	6.617	7.210	7.800	8.386	8.969	9.549	10.126	10.700	11.271	11.839	12.404	12.966	13.525	14.081	14.634
170	5.069	5.718	6.336	6.956	7.570	8.180	8.787	9.391	9.992	10.590	11.185	11.778	12.368	12.955	13.539	14.120	14.698	15.273
180	5.344	6.014	6.654	7.295	7.930	8.562	9.191	9.817	10.440	11.060	11.678	12.293	12.905	13.514	14.120	14.723	15.323	15.920
190	5.619	6.301	6.962	7.624	8.280	8.933	9.583	10.230	10.874	11.515	12.153	12.788	13.420	14.049	14.675	15.298	15.918	16.535
200	5.894	6.598	7.279	7.961	8.640	9.317	9.992	10.664	11.333	12.000	12.664	13.325	13.983	14.638	15.290	15.939	16.585	17.228
210	6.169	6.885	7.586	8.288	8.980	9.670	10.358	11.043	11.725	12.404	13.080	13.753	14.423	15.090	15.754	16.415	17.073	17.728
220	6.444	7.172	7.894	8.617	9.330	10.040	10.748	11.453	12.155	12.854	13.550	14.243	14.933	15.620	16.304	16.985	17.663	18.338
230	6.719	7.459	8.192	8.926	9.650	10.372	11.091	11.807	12.520	13.230	13.937	14.641	15.342	16.040	16.735	17.428	18.118	18.805
240	6.994	7.746	8.490	9.235	9.970	10.703	11.433	12.160	12.884	13.605	14.323	15.038	15.750	16.459	17.165	17.868	18.568	19.265
250	7.269	8.033	8.788	9.544	10.290	11.035	11.778	12.518	13.255	13.989	14.720	15.448	16.173	16.895	17.614	18.330	19.043	19.753
260	7.544	8.319	9.085	9.852	10.610	11.366	12.119	12.869	13.616	14.360	15.101	15.839	16.574	17.306	18.035	18.761	19.484	20.204
270	7.819	8.606	9.383	10.161	10.930	11.697	12.461	13.222	13.980	14.735	15.487	16.236	16.982	17.725	18.465	19.202	19.936	20.667
280	8.094	8.893	9.681	10.470	11.250	12.027	12.801	13.572	14.340	15.105	15.867	16.626	17.382	18.135	18.885	19.632	20.376	21.117
290	8.369	9.179	9.978	10.778	11.570	12.359	13.145	13.928	14.708	15.485	16.259	17.030	17.798	18.563	19.325	20.084	20.840	21.593
300	8.644	9.466	10.276	11.087	11.890	12.690	13.487	14.281	15.072	15.860	16.645	17.427	18.206	18.982	19.755	20.525	21.292	22.056
310	8.919	9.753	10.574	11.396	12.210	13.021	13.829	14.634	15.436	16.235	17.031	17.824	18.614	19.401	20.185	20.966	21.744	22.519
320	9.194	10.039	10.871	11.704	12.529	13.351	14.170	14.986	15.799	16.609	17.416	18.220	19.021	19.819	20.614	21.406	22.195	22.981
330	9.469	10.326	11.169	12.013	12.840	13.664	14.485	15.303	16.118	16.930	17.739	18.545	19.348	20.148	20.945	21.739	22.530	23.318
340	9.744	10.613	11.467	12.322	13.160	14.000	14.837	15.671	16.502	17.330	18.155	18.977	19.796	20.612	21.425	22.235	23.042	23.847
350	10.019	10.899	11.764	12.635	13.500	14.367	15.231	16.092	16.950	17.805	18.657	19.506	20.352	21.195	22.035	22.872	23.707	24.539
360	10.294	11.186	12.072	12.954	13.830	14.709	15.584	16.456	17.325	18.191	19.054	19.914	20.771	21.625	22.476	23.324	24.169	25.011
370	10.569	11.473	12.369	13.262	14.150	15.040	15.932	16.821	17.707	18.590	19.470	20.347	21.221	22.092	22.960	23.825	24.688	25.548
380	10.844	11.760	12.667	13.571	14.470	15.371	16.274	17.173	18.069	18.962	19.852	20.739	21.623	22.504	23.382	24.257	25.129	26.000
390	11.119	12.047	12.965	13.880	14.790	15.702	16.616	17.527	18.435	19.340	20.242	21.141	22.037	22.930	23.820	24.707	25.591	26.473
400	11.394	12.333	13.261	14.187	15.110	16.035	16.962	17.886	18.807	19.725	20.640	21.552	22.461	23.367	24.270	25.170	26.067	26.962
410	11.669	12.608	13.546	14.483	15.420	16.359	17.299	18.236	19.170	20.101	21.029	21.954	22.876	23.795	24.711	25.624	26.534	27.441
420	11.944	12.883	13.831	14.778	15.720	16.663	17.607	18.548	19.486	20.421	21.353	22.282	23.208	24.131	25.051	25.968	26.882	27.793
430	12.219	13.167	14.125	15.082	16.030	16.979	17.929	18.876	19.820	20.761	21.700	22.636	23.569	24.499	25.426	26.350	27.271	28.189
440	12.494	13.442	14.410	15.377	16.330	17.285	18.241	19.194	20.144	21.091	22.036	22.978	23.917	24.853	25.786	26.716	27.643	28.567
450	12.769	13.717	14.695	15.672	16.630	17.589	18.549	19.506	20.460	21.411	22.360	23.306	24.249	25.189	26.126	27.060	27.991	28.919
460	13.044	13.992	14.980	15.967	16.930	17.895	18.861	19.824	20.784	21.741	22.696	23.648	24.597	25.543	26.486	27.426	28.363	29.297
470	13.319	14.267	15.265	16.262	17.230	18.199	19.169	20.136	21.100	22.061	23.019	23.974	24.926	25.875	26.821	27.764	28.704	29.641
480	13.594	14.542	15.550	16.557	17.530	18.505	19.481	20.454	21.424	22.391	23.356	24.318	25.277	26.233	27.186	28.136	29.083	30.027
490	13.869	14.817	15.835	16.852	17.830	18.811	19.793	20.772	21.748	22.721	23.691	24.658	25.622	26.583	27.541	28.496	29.448	30.397
500	14.144	15.092	16.120	17.147	18.130	19.115	20.101	21.084	22.064	23.041	24.016	24.988	25.957	26.923	27.886	28.846	29.803	30.757

### DIRECT REDUCTION GRAIN TABLES IN FRAME

This box frame contains five cards with marginal indexes, giving reductions of any number of pounds from 100 to 5090 by 10 pound breaks, for Oats at 32 lbs.; Shelled Corn, 56 lbs.; Wheat, 60 lbs.; and Ear Corn, 70 lbs. and 75 lbs. to the bushel. Figures are printed in bold faced type which can be read easily from a distance, and put up in a slotted basswood frame with glass front, so that the table needed may be placed in front. The frame not only protects the cards, but keeps the set in compact form so it may be hung near the scale beam for ready reference. Size 12x12 inches. Price \$1.50.

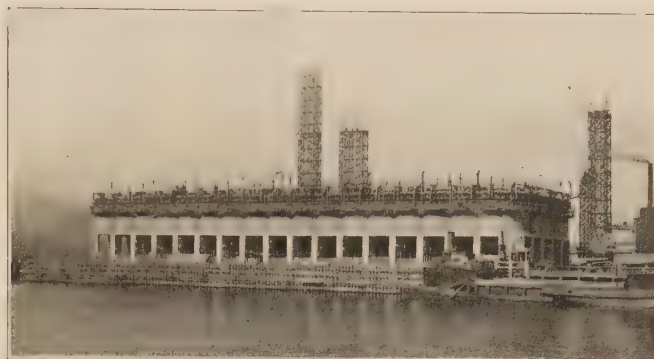
Send all orders to

GRAIN DEALERS JOURNAL, 315 S. La Salle St., Chicago, Ill.

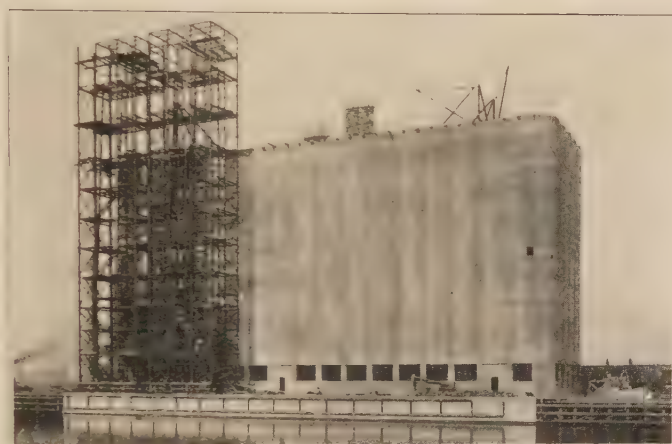


# SIXTY DAYS' PROGRESS

In construction of  
the  
**1,000,000-bu. elevator**  
at Buffalo for the  
Eastern Grain, Mill and  
Elevator Corporation.



New Concrete Elevator at Buffalo, June 1, 1915.



New Concrete Elevator 30 days later.

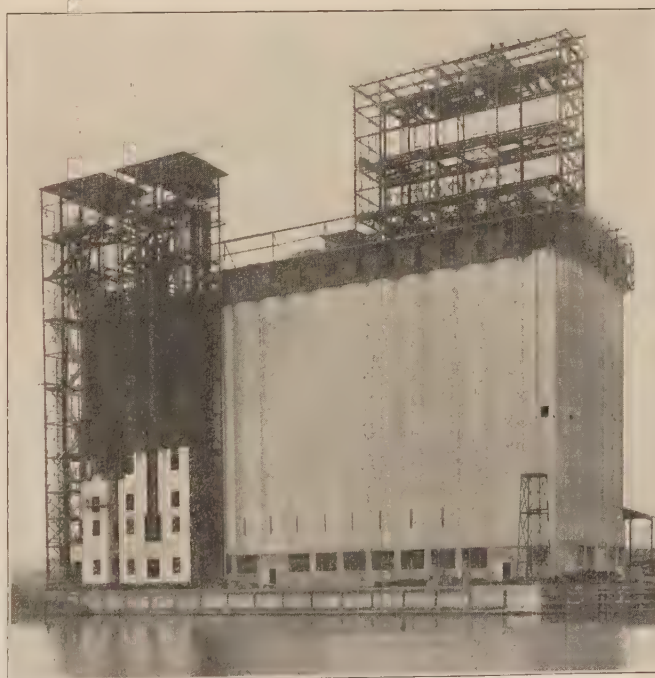
This Elevator  
**Designed and Built**  
by the  
**Monarch Engineering Co.**  
Buffalo.

When complete it will have a greater  
capacity in unloading from boats than  
any house in Buffalo.

Other Buffalo plants  
built by  
**Monarch Engineering Co.**

(See photos on Poster)

Monarch elevator  
Wheeler elevator  
Kellogg elevator  
Geo. J. Meyer Malting Co.  
Buffalo Cereal Co.  
Superior elevator  
Connecting Terminal Elevator



The same plant 60 days later, Aug. 2, 1915.

**MONARCH ENGINEERING CO.**  
Buffalo, N. Y.



## GRAIN ELEVATOR BUILDERS

**R U**  
going to build or remodel? If so, write,  
**D. F. HOAG & CO.**  
Contractors and Builders of  
GRAIN ELEVATORS AND WAREHOUSES  
202-4 Corn Exchange, Minneapolis, Minn.

**H. H. Birchard**  
CONTRACTOR FOR  
**Grain Elevators.**  
Especially Designed for Economy  
of Operation and Maintenance  
LINCOLN, NEB.

THE  
**STEPHENS**  
Engineering Company  
Designers and Builders  
**GRAIN ELEVATORS**  
Monadnock Bldg., Chicago

**To BUY or SELL**  
**RENT or LEASE**  
**an ELEVATOR**

Place an adv. in the "Wanted" or "For Sale"  
columns of the GRAIN DEALERS JOURNAL  
of Chicago. It will bring you quick returns.

**MACDONALD ENGINEERING CO.**  
DESIGNERS AND BUILDERS OF  
**GRAIN ELEVATORS**  
MONADNOCK BLDG. CHICAGO, ILL.

If you wish to build your elevator  
right, my eighteen years experience  
is at your command.

**C. E. BIRD & CO.**  
MINNEAPOLIS MINNESOTA

**HICKOK CONSTRUCTION CO.**  
Contracting Engineers  
for **ELEVATORS**  
Fireproof Storage  
Minneapolis, - - Minn.

**ELEVATOR**  
**CONSTRUCTION**  
**SPECIALIST**  
**SINCE**  
**1881**  
**"HAVE IBBERSON BUILD IT"**  
Write  
For Our  
New Booklet  
**T. E. IBBERSON**  
MINNEAPOLIS, MINN.

**B. J. CARRICO**  
1501 Commerce St., Ft. Worth, Texas  
Designer and Contractor of  
**CONCRETE and WOOD**  
Elevators and Flour Mills

**SAATHOFF & AMACHER**  
DESIGNERS AND BUILDERS OF  
**GRAIN ELEVATORS**  
Write us for plans and estimates  
PONTIAC ILLINOIS

**S. P. Stewart & Son**  
Bowling Green, Ohio  
Designers and Builders of  
**Fire Proof Grain Elevators**  
and Drying Houses

**Southwestern Engineering**  
Company  
Designers and Builders of  
**Modern Fireproof Mills**  
and Grain Elevators  
Springfield, Missouri

### CLARK'S GRAIN TABLES FOR WAGON LOADS

TWELFTH EDITION

The best and most complete edition of these popular reduction tables ever issued.  
It contains 16 grain tables and two pages of freight tables all printed from heavy-faced type in two colors on 175-pound Manila stock. It is reinforced at back with silk cloth.  
Marginal index for quickly finding table wanted.  
All reductions are complete on one page. It has a range from 100 to 4,090 lbs. on 10-pound breaks.  
The tables show the following reductions: Oats at 32 lbs., 33 lbs. and 35 lbs. Timothy Seed, 45 lbs. Barley, Hungarian Grass Seed and Corn Meal at 48 lbs. Barley at 50 lbs. Shelled Corn, Rye and Flax Seed at 56 lbs. Wheat, Clover Seed, Beans, Peas and Potatoes at 60 lbs. Wheat, 60 lbs., with 1, 2, 3 and 5 lbs. dockage. Ear Corn at 70 lbs., 72 lbs., 75 lbs. and 80 lbs. per bu.  
Freight table shows rate per bushel at 60, 56, 48 and 32 lbs. per bu. when the rate per 100 lbs. is 1 to 30½ cents in ½ cent rises. Price postpaid 50 cents.

**Grain Dealers Journal**

315 So. La Salle Street

CHICAGO, ILL.

**J. D. McLEAN & CO.**

Builders of up-to-the-minute  
country grain elevators on  
commission or contract.

Write us before building or remodeling.  
Peoria, Ill. Lewistown, Mont.

It is the returns from advertising that  
permits the maximum of service to our  
readers. Please specify the **Grain**  
**Dealers Journal** when writing an  
advertiser.

## Canadian Government Grain Elevator Port Arthur, Ontario

*Capacity 3,500,000 Bushels*

The Last Word in GRAIN ELEVATORS

Designed and Built by

**Barnett-McQueen Co., Limited**

OFFICES { FORT WILLIAMS, ONT.  
DULUTH, MINN.  
MINNEAPOLIS, MINN.





## GRAIN ELEVATOR BUILDERS

### Grain Elevators

of any size and any type

Designed and Built for

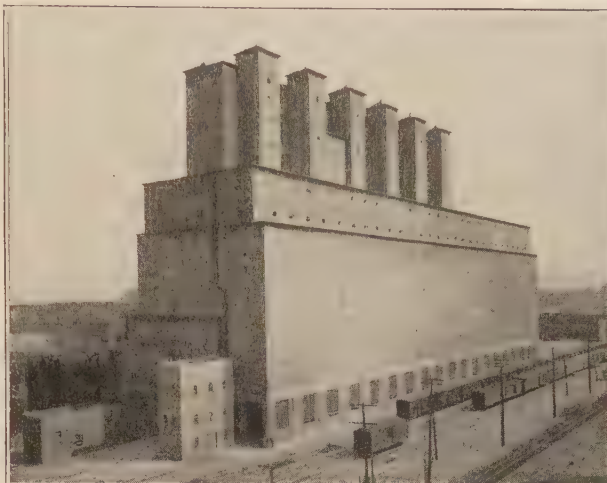
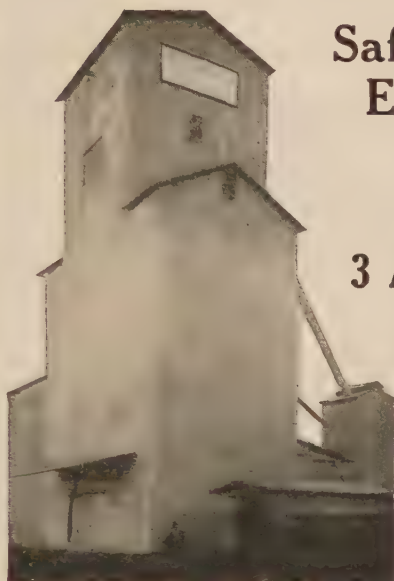


**Safety,  
Economy,  
Utility**

THE  
**3 AMERICAS  
CO.**

Builders of  
Better  
Elevators

122  
S. Michigan Av.  
CHICAGO



HARBOUR COMMISSIONERS OF MONTREAL  
Elevator No. 2

Capacity 2,600,000 Bushels

Largest monolithic, reinforced concrete Working House in the world. Connects with H. C. Elevator No. 1 and over two miles of shipping galleries serving 19 ocean berths.

**JOHN S. METCALF CO., LTD.**

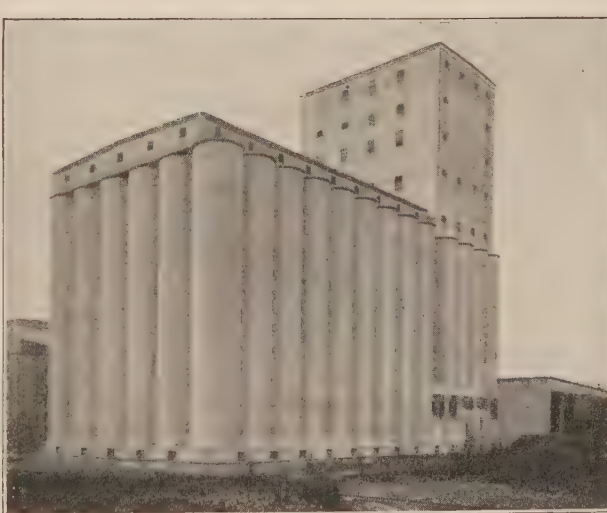
ENGINEERS AND CONSTRUCTORS

Montreal Chicago London  
54-St. Francois Xavier St. 108-S. La Salle St. 36-Southampton St., W. C.  
CANADA U. S. A. ENGLAND

**B**

When  
Better Elevators are  
Built You Will Find  
**Burrell Will Build 'Em  
Over 600 in Use  
BURRELL ENGINEERING &  
CONSTRUCTION CO.**

1102-8 WEBSTER BLDG., CHICAGO  
(Opp. Board of Trade)  
620 Hubbell Bldg., Des Moines, Iowa.  
217 Board of Trade Bldg., Indianapolis,  
Ind.  
16 Hoke Bldg., Hutchinson, Kan.  
Box No. 615 Salt Lake City, Utah



THE GIRARD POINT ELEVATOR  
PHILADELPHIA, PA.

CAPACITY—1,110,000 BUSHEL  
The Most Rapid Handling Grain  
Elevator in World. BUILT BY

**JAMES STEWART & CO.**

**GRAIN ELEVATORS**  
BUILT IN ALL PARTS OF THE WORLD

GRAIN ELEVATOR DEPT., 15th Floor Westminster Bldg., CHICAGO  
W. R. SINKS, Manager R. H. FOLWELL, Engineer



## GRAIN ELEVATOR BUILDERS

YOU will FIND

**? "BUILT by YOUNGLOVE" ?**  
on ALL MODERN ELEVATORS!  
**? WHY ?**

**Younglove Construction Co.**  
412 United Bank Building  
SIOUX CITY, IOWA

## A Reliance Owner

"a successful grain man"



The owner of a Reliance elevator handles grain on a bigger margin, because his operating expenses are lower.

**Reliance Construction Co.**  
Board of Trade  
Indianapolis :: Indiana

## WAGON LOADS RECEIVED

A book for the use of country grain buyers in keeping a record of grain received from farmers.

Its column headings are: Month, Day, Name, Kind, Gross and Tare, Net Pounds, Bushels, Pounds, Price, Dollars, Cents and Remarks.

The book is 9½x12 inches, 160 pages, 20 lines to each page, giving room for recording 3,200 loads, printed on Linen Ledger Paper and is well bound in strong board covers with leather back and corners. Order Form 380. Price, 1.50

**GRAIN DEALERS JOURNAL**  
315 So. La Salle Street, CHICAGO, ILL.

## BLEACHER OPERATORS

DO YOU EXPERIENCE ANY TROUBLE WITH THE BELT YOU ARE USING IN YOUR BLEACHER? If so, IT WILL BE WORTH YOUR WHILE TO INVESTIGATE OUR

## ANTISULPHO BELTING

A SPECIAL BELT  
WHICH IS PROOF  
AGAINST SULPHUR FUMES

## IMPERIAL BELTING CO.

MANUFACTURERS OF REXALL DOUBLE STITCHED BELTING  
General Offices and Factory  
LINCOLN & KINZIE STS. CHICAGO

## FREE

To Interested parties in the Southwestern Territory, this booklet giving the complete costs of Thirty-eight Country Elevators.

Mailed to other parties on receipt of 50c.



## WHITE STAR CO.

BUILDERS  
OF GOOD  
ELEVATORS

Owners of  
The Pelkey Construction Co.

Wichita, Kas.

## Duplicating Scale Ticket Book

No. 62, is designed especially for country dealers who use scale tickets. It is a book 9x12 inches, check bound in heavy board covers. It contains 200 sheets, 100 white sheets being interleaved with 100 manila sheets. On one side of the white sheets are printed 8 scale tickets and the sheet is perforated so that each ticket can easily be removed. Each ticket is printed, ruled and spaced for the following information: Date; Bot of; Price per Cwt; Price per bu.; Driver on, Off; Gross; Tare and Net Lbs.; Net Bus.; Weigher. A sheet of carbon is placed between the white and manila sheets, so that the weigher tears out a ticket and gives it to each driver, retaining a carbon copy of it. 800 tickets in each book. Price \$1.00.

## Grain Dealers Journal

315 La Salle Street,

CHICAGO, ILL.



## GRAIN ELEVATOR BUILDERS

### L. J. McMILLIN ENGINEER and CONTRACTOR of GRAIN ELEVATORS

Any Size or Capacity  
523 Board of Trade Bldg., Indianapolis, Ind.

W. S. MOORE  
252 S. Col. Street  
Frankfort  
Ind.

### EFFICIENT ERECTING CO.

Grain Elevators, Mill Work

Let Us Furnish You Plan

OUR EXPERIENCE IS MONEY TO YOU—WHY NOT HAVE IT?

GEO. H. CRAIG  
335 Normal Park  
Way, Englewood  
Chicago, Ill.

### BETTER ELEVATORS

ARE Being Built and  
W. H. CRAMER is Building them  
NORTH PLATTE, NEB.

### First Class Concrete Grain Storage Construction

OUR SPECIALTY

Lehrack Contracting & Engineering Company

725 Gloyd Building

Kansas City, Missouri

### FRANK KAUCHER & SON

Contractors Mills and Elevators

Wood and Concrete

ST. JOSEPH

MISSOURI

### A. F. ROBERTS

ERECTS ELEVATORS  
CORN MILLS  
WAREHOUSES

FURNISHES PLANS  
ESTIMATES  
MACHINERY

SABETHA.


KANSAS

### R. M. Van Ness Construction Company

404-406 State Bank Bldg., Omaha, Neb.  
Designers and Builders of

### MODERN GRAIN ELEVATORS

Plans Submitted Branch Offices at  
LINCOLN, NEBR., and FAIRBURY, NEBR.



**NEWELL  
CONSTRUCTION CO.**  
CONTRACTORS, DESIGNERS  
AND BUILDERS

ALSO JOBBERS OF  
ELEVATOR AND  
MILL SUPPLIES

430-432  
GRANBY BLDG.  
CEDAR RAPIDS  
IOWA

### THE TEMPLE-WILLIAMS CO.

Designers and Builders  
of Grain Elevators

Estimates furnished on application.

716 Hubbell Building

DES MOINES - - IOWA

### Henry Lesch & Co.

Washburn, Ill.

Have designed and built some  
of the finest elevators in  
Central Illinois.

WRITE US

## Double Your Grain Storage at Little Cost

Your elevator may be crowded for storage—  
you may easily see a greater business in  
sight—a greater profit on the season's crop—  
with more bin room.

## PERFECTION METAL BINS

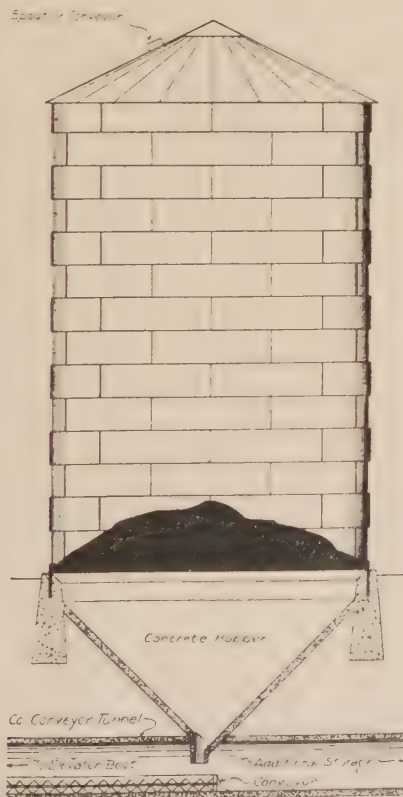
easily and quickly double your storage—or  
more—at a moderate cost—and with little  
expense for machinery. Your present house  
is not disturbed.

Booklet—"Fire Proof Grain Storage" sent on request

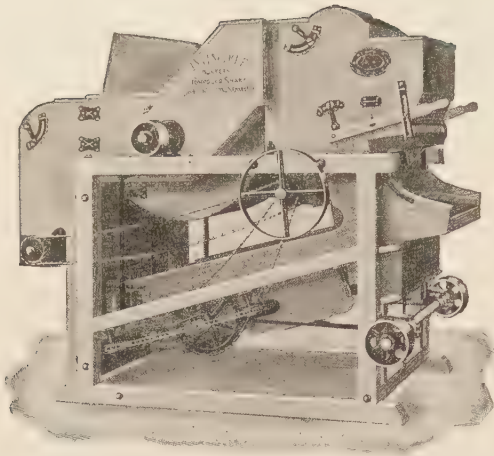
## Perfection Metal Silo Co.

TOPEKA,

KANSAS







## Works Without Jar or Jolt

Perfect air separations under perfect control of operator if you use an

### Invincible Compound Shake Double Receiving Separator

Fitted with Invincible compound Shoe, divided in two parts and working in opposition, forming a perfect counter balance.

Machine can be used in any part of plant as the shake is absolutely eliminated.

*Write for Prices and Details*

The Central Elevator Co. of Baltimore, Md., have placed two No. 15 INVINCIBLE C. S. D. R. Separators—5,000 bushel capacity each.

**Invincible Grain Cleaner Co., Dept. 4, Silver Creek, N. Y.**

#### REPRESENTATIVES

Chicago, Ill., 1041 Webster Bldg., F. H. Morley, Jr.  
Cleveland, Tenn., 2310 Church St., J. H. Bates  
Indianapolis, Ind., Board of Trade, C. L. Hogle  
Kansas City, Mo., 234 Exchange Bldg., F. J. Murphy

Minneapolis, Minn., and Winnipeg, Man., Strong-Scott Mfg. Co.  
Philadelphia, Pa., 25 S. 61st St., C. Wilkinson  
Toledo, Ohio., Jefferson House, Chas. H. Sterling  
San Francisco, Cal., 17th and Mississippi, W. King., Pacific Coast Representative

## You Should Know the Exact Dockage of Every Load of Wheat

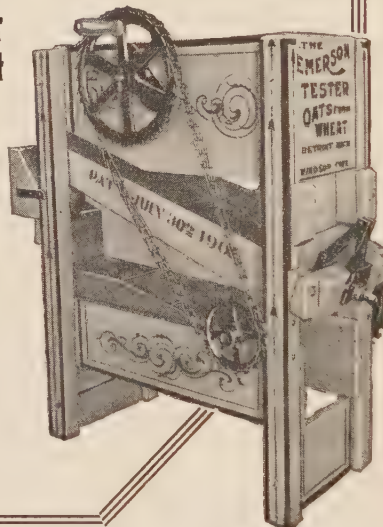
Don't try to guess at it, *be sure* of it; install

### THE EMERSON OATS FROM WHEAT TESTER

Over 3,000 elevators now using this tester.

The EMERSON is the most convenient and satisfactory wheat tester made. The saving in wheat, time, mistakes and money soon pays for the Emerson. Write today for further particulars and list of users.

**WM. H. EMERSON & SONS**  
DETROIT, MICH. WINDSOR, ONT.



## Elevator Machinery and Supplies

We carry a large stock and can fill orders promptly.

### Grain Cleaning Machinery

We handle a full line and can give you a machine for any kind of work you want to do.

### Roll Corrugating and Grinding

The best work—quick service.

Write us for Catalog and Prices on anything you need.

*The*  
**Strong-Scott Mfg. Co.**  
MINNEAPOLIS, MINN.

Northwestern Agents for

Invincible Grain Cleaners,  
Richardson Automatic Scales,  
Knickerbocker Dust Collectors

## SHEET METAL SPECIALISTS

NOW is the time to overhaul and repair your plant for the coming year. We can furnish all your requirements in the Sheet Metal Line.

#### WE MANUFACTURE

DUST COLLECTORS  
BLOW PIPING  
CONVEYORS

GRAIN SPOUTING  
STEEL ELEVATOR LEGS  
MILL and ELEVATOR WORK

No job too large for us to handle, the small ones receive the same attention. Get our figures before placing your order. All work guaranteed.

**MINNEAPOLIS SHEET METAL WORKS**  
1528 Washington Ave., No., Minneapolis, Minn.

We are Agents for All Makes of Fans

#### VEST POCKET GRAIN TABLES

Clark's Vest Pocket Grain Tables reduce pounds to bushel on any number of pounds from 10 to 100,000. Printed on ledger paper in red and black. The red figures show the pounds and the black the bushels and pounds. The tables show the following reductions: Oats at 32 lbs.; Corn, Rye and Flaxseed at 56 lbs.; Wheat, Clover Seed, Beans, Peas and Potatoes at 60 lbs.; Barley and Hungarian Seed at 48 lbs.; Ear Corn at 70 lbs.; Ear Corn at 75 lbs.; Ear Corn at 80 lbs. Timothy Seed at 45 lbs.

These tables are bound in heavy manila and form a thin book 2 1/2-in. wide by 8 1/2-in. long. Price 50 Cts. Address  
**GRAIN DEALERS JOURNAL,**  
315 So. La Salle Street, CHICAGO, ILLINOIS

## Put Your Name

where everyone identified with the grain trade will see it and keep it there.

THAT IS IN THE

**Grain Dealers Journal**  
OF CHICAGO





**Buy the  
Engine  
That Cuts  
Power Cost**

Efficient handling of grain depends as much on a reliable source of power as on correct elevator design. The quick-starting feature and dependability of Fairbanks-Morse Oil Engines fit them especially for elevator service.

*May we give you details?*

**Fairbanks, Morse & Co.**

Chicago  
St. Louis  
(550-29E)

New York  
Kansas City

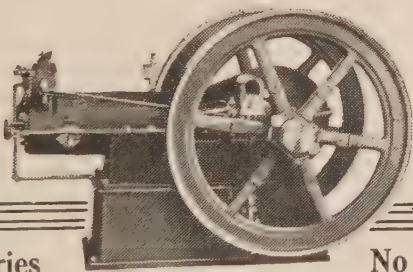
Cleveland  
Omaha

Cincinnati  
Saint Paul

**GENUINE CRUDE AND  
FUEL OIL ENGINES**

Operates successfully on cheapest fuel oil.  
Sizes 10 to 75 H. P. Stationary only.

**MUNCIE OIL ENGINE CO.**  
Muncie, Ind., U. S. A. 20 First St.



No Batteries

No Cranking

No Delays From Breakdowns

**THE TROUBLES ALL LEFT OUT**

To you men who have bought to regret, we suggest a careful investigation of the Lauson Gasoline or Kerosene Engine, because it is one you can depend on to do continuous hard work all the time. It will start right in the morning and stop right at night. The "Why" of it all is explained in our illustrated catalog, which is yours for the asking.

*Built in all sizes from 2 to 100 H. P.*

The John Lauson Mfg. Co., 65 Monroe St., New Holstein, Wis.

**Tell us what you need for your elevator  
and we will tell you where to get it.**

**Grain Profits Rise  
as Handling Costs Drop**

Throughout the great West grain men are increasing their profits by decreasing their handling costs.

Year after year we see ever-growing numbers of grain men installing OTTO Gasoline Engines, because of their absolutely dependable qualities and economy.

**OTTO  
Gasoline Engines**

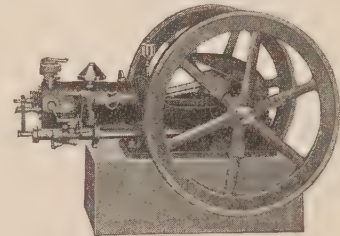
to the number of 100,000 have been the undisputed leaders in their field since 1876.

Their high-grade construction and design have given them a nation-wide reputation for unfaltering reliability and almost negligible operating and upkeep expenses.

Here's a sure means of increasing profits. It costs you nothing to look into this. Our Chicago office will gladly extend full particulars. Write now.

**Otto Gas Engine Works**

33rd and Walnut Streets - Philadelphia  
15 and 17 South Clinton Street - Chicago



**ELEVATOR MACHINERY**

**G**RAIN DRYERS—All sizes, CRUSHERS, SHELLERS and MILLS CONVEYORS and ELEVATORS, CHAIN BELT and SPROCKET WHEELS, OAT MEAL and PEARLED BARLEY MACHINERY, HOMINY MILLS

SEND FOR DESCRIPTIVE CATALOG OF WHAT YOU WANT

**THE C. O. BARTLETT & SNOW CO.**  
CLEVELAND, OHIO, U. S. A.

**Grain Shipping Ledger**

**Form 24.** An indexed shipping ledger for keeping a perfect record of the shipments of 5,000 cars. Facing pages are given to each firm to whom you ship and name indexed. The pages are 10½x15½ inches, used double.

The book contains 100 double pages. The best linen ledger paper is used. The regular ledger index in front will accommodate all names necessary. The book is tight bound in heavy cloth covers with leather back and corners. Price, \$2.50.

**GRAIN DEALERS JOURNAL**

315 So. La Salle Street

CHICAGO, ILL.



# Wanted and For Sale

The rate for advertisements in this department is 20 cents per type line each insertion

## ELEVATORS FOR SALE.

**WISCONSIN**—Potato & Grain Whse, Co. seat. 15M-bu. \$4,000. Box 618, Mauston, Wis.

**KANSAS**—Only elevator at good grain station. J. Jacobson, Formosa, Kan.

**IND.**—8M bu. elvtr., flour, cement, coal business, town of 1,000. Address Luck, Box 2, Grain Dealers Journal, Chicago, Ill.

**KANSAS**—For Sale Elevator, coal and feed business at Manchester, Kansas. Address Bert Weaver.

**ELEVATOR** and Mill for sale. Makes chops, meal and mixed feeds. Railroad center, eight roads. Will sell at bargain. Address A. Albert, Alexandria, La.

**INDIANA**—Elevator and coal sheds. Cap. 6,000 bu. Only elevator at point. 7 miles south of Fort Wayne. Address 202 Lincoln Life Bldg., Fort Wayne, Ind.

**FOR SALE** or rent: A 20,000 bushel capacity elevator situated in a fine grain growing community. Address H., Box 1, Grain Dealers Journal, Chicago, Ill.

**IOWA**—Will sell elevator at Armstrong, 20,000 capacity, in good repair, electric power. Price right. Address E. O. H., Box 3, Grain Dealers Journal, Chicago.

**EAST IOWA ELEVATOR** for sale in German Catholic community. Nearly new and up to date. Complete at \$3,500. Address Keve Lumber Co., Arlington, Iowa.

**FOR SALE OR TRADE**—Elevator, equipped. Small store, etc. Small place, good country. Price buildings and stock, \$7,000. Address Good, Box 4, Grain Dealers Journal, Chicago, Ill.

**SOUTH DAKOTA**—For Sale—Three elevators on the Great Northern Railway. About 140,000 bu. a year average. In the most fertile part of South Dakota. Address Box 454 Sioux City, Iowa, for particulars.

**FOR SALE**—Elevator and alfalfa mill and coal business, at a bargain. Good hay and grain locality. Address Hillrose Milling & Merc. Co., E. H. Link, Sec'y, Hillrose, Colo.

**CHOOSE YOUR ELEVATOR** from the many offered. Insert an advertisement in the "Elevators Wanted" columns of the Grain Dealers Journal, and select one at a satisfactory price and station.

**OHIO**—15,000 bu. elv. for sale. Have done over \$330,000 business in a year. No better grain section in country. Must sell account age and other business. Price right. Part cash and terms. Address Ton, Box 4, Grain Dealers Journal, Chicago.

**RIVERSIDE** Elevator and Warehouses, Memphis, Tenn., between the Frisco and I. C. tracks; near business center and all freight depots; capacity 300 cars. Webb & Maury, Memphis, Tenn.

**ILLINOIS**—Elevators for sale. One at Downs and one at Ford Woods, McLean county, Ill. Both ironclad, capacity 40,000 and 60,000 bushels. Power, motor one and gasoline one. All in first class condition. On Big 4 R. R. with coal, cement and twine trade. Established and handles 350M to 400M bus. yearly. Inquire at Farmers Bank, Downs, Ill. Downs Grain Co.

## ELEVATORS FOR SALE.

**ELEVATORS FOR SALE:** Your choice of ten elevators within 100 miles of Chicago from \$6,000 to \$15,000. Good substantial buildings and in good towns. Address James M. Maguire, Campus, Ill.

**FOR SALE**—12M bu. Elevator with coal and other side lines. Studded house, two dumps, three stands of elevators. Automatic scales, steam power; on private ground. Price, \$6,000. Address A. J. McFadden, New Waverly, Ind.

**MODERN** Cribbed Iron Clad Elev. Motor power, Auto. Scale, Manlift, etc. Cap., 20,000. Corn and oat belt, good town, one competitor. For further particulars address Way, Box 3, Grain Dealers Journal, Chicago, Ill.

**WESTERN OHIO** Elevator, Handles 125 cars grain, feed, coal, salt and cement yearly. Located in one of best up-to-date business towns in western Ohio. Opportunity will not be open long. Address Ver, Box 1, Grain Dealers Journal, Chicago, Ill.

**WISCONSIN**—Grain Elevator. In the Fox River Valley. Must sell on account of old age and illness. Also good retail flour, feed and seed in connection. Price \$6,000. Terms 1/2 cash, balance on easy terms. Address Land, Box 4, Grain Dealers Journal, Chicago.

**MICHIGAN**—For Sale, Rent or Joint Account, or will trade for farm: Grain and Bean Elevator, fully equipped, located on main line of G. T. R. R. in Michigan. This elevator will net Five Thousand (\$5,000) Dollars profit next season. Write L. Yale, 104 Holbrook Ave., Detroit, Mich.

**FOR SALE**—Complete Mixed Feed Plant and Grain Elevator situated on the I. C. & Frisco Railroads, with about ten thousand bushel elevator capacity; can be bought at a bargain; and building that it is in can be rented reasonably. Address Paul Damman, Memphis, Tenn.

**FOR SALE**—20,000-bu. elevator within 100 miles of Chicago that handles over 200,000 bu. grain and 1,000 tons of coal annually. Located in town of about 700. Farmer El. competition. Business evenly divided. Price \$6,000. Good terms. Address James M. Maguire, Campus, Ill.

**INDIANA**—Townley Iron Clad elevator for sale. 150 h.p. gasoline. Can handle around 100,000 bus. Black farm land. Substantial community. Price reasonable. Buildings 4 yrs. old. 2 acres land on Findlay Ft. Wayne Branch C. H. & D. R. R. Old age reason for selling. Write N. R. Spaulding, Monroeville, Ind.

**KANSAS ELEVATOR BARGAINS**—Two new elevators of seven thousand bushels capacity each, equipped with 12-h.p. I. H. C. and 15-h.p. Fairbanks engines, Richardson Automatic scales, 1,000 bu. capacity. Boss air blast car loaders, new Howe & Fairbanks wagon scales. Just completed and running in Kansas' best wheat territory. Will sell these elevators at bargain prices, as I want to engage in other business. If you really want something like this, do not wait to write, but come and see them, for I mean business. Located on Larned Branch of Santa Fe. M. W. PETERSON, JETMORE, KAN.

## ELEVATORS FOR SALE.

**ELEVATOR IN CENTRAL INDIANA** with 2 acres of land and residence, for sale. Has metal sides and roof, cribbed bins, sheller and cleaner, feed grinder, motor power. In good grain belt; handle a number of side lines. Easy terms. A bargain if taken soon. Address Indiana, Box 2, Grain Dealers Journal, Chicago, Ill.

## ELEVATORS FOR RENT.

**ELEVATOR FOR RENT**—Steam Power, located southwest of Decatur, Ill.; 6,000 bu. shelled grain, 14,000 of ear corn, buckets 7x12, Western Sheller and Cleaner; Fairbanks Hopper Scale. Office 13x15; also 1 1/2-story, 7-room residence; one good competitor. Rent \$60 per month. Come—do not write if you want to rent this elevator. C. A. Burks, Decatur, Ill.

## ELEVATORS WANTED.

**TRADE** 320 Acres of Wheat Land in Wichita County, Kan., to trade for Elevator. Must be in operation. Address G. D. A., Box 4, Grain Dealers Journal, Chicago.

**FINE** farm in Western Ohio, adjoining corporation of County Seat to trade for elevator. Address Hay, Box 4, Grain Dealers Journal, Chicago, Ill.

**WANT** to lease or buy an elevator in Western Ohio or Indiana in Corn and Oats territory, handling 125,000 bus. or more. Must be in good condition. Address Man, Box 3, Grain Dealers Journal, Chicago, Ill.

**RETIRED** grain man, after recuperating wants to exchange good 227-acre Kansas farm in Arkansas River Valley for a good elevator and grain business. Farm well improved, all tillable, soil sandy loam, telephone, interurban mail. If you have a good open proposition write Heg, Box 4, Grain Dealers Journal, Chicago, Ill.

## MISCELLANEOUS.

**TO BROTHER GRAIN DEALERS.** Notice—Do not extend any credit to A. L. Fisher on our account. He has no connection with our firm whatever. Weekes' Grain Co., Omaha, Neb.

## ELEVATOR BROKERS.

**SELLERS** list your elevators and buyers buy your elevators thru John A. Rice, Frankfort, Ind.—Reliable Broker 10 years.

**ELEVATORS AT ALL PRICES FOR SALE ALL THE TIME.** Get ready for the new crop and write, wire, or phone for an interview if you want to buy an elevator. I have what will suite you. James M. Maguire, Campus, Ill.

## PROPOSALS.

**PROPOSALS FOR FORAGE.**—Office of Department Quartermaster, Chicago, Ill.—Sealed proposals will be received here until 1 p. m. Central Time, Sept. 22, 1915, and then opened, for furnishing 8000 tons of hay and 7000 tons of oats. Further information on application.

## INFORMATION BURO

**READERS DESIRING** to learn by whom, or where any grain handling machine or device is made, can generally obtain it promptly by addressing Information Buro, Grain Dealers Journal, Chicago, Ill.



## MILLS FOR SALE.

**FOR SALE**—Water power mill with two dwelling houses, one store house and 29 acres of land. For particulars address Chas. M. Rogers, Imlaystown, New Jersey.

**FOR SALE**—A splendid 125-barrel Allis Mill located in a town with two railroads in Southern Ohio, on Ohio river. Fuel cheap, natural gas or coal from West Virginia fields. Good repair. Elevator capacity 15,000 bushels. Fine wheat section and good territory for trade. Address BB, Box 3, Grain Dealers Journal, Chicago, Ill.

**OREGON**—For Sale, old established 60-bbl. flour mill, water power, in growing county seat of 2,500 population, in the heart of the famous Willamette Valley. Two railroads, only mill in town. Large local trade. Will sell at a bargain owing to ill health. For particulars address J. L. Sweeney, Box 718, Dallas, Polk County, Oregon.

**FOR SALE**—Fifty-barrel water power mill in a live Ohio manufacturing town of 5,500 people. Railroads, one with track to mill. Plansifter system. Good agricultural community. Eight-room house. Three and one-half acres of land. Fine chance to get in on present big wheat crop. Address B. I. B., Box 3, Grain Dealers Journal, Chicago.

**FOR SALE**—A fine 60-barrel mill in Eastern Ohio; nearest mill 8 miles in any direction. Main line B. & O. Railroad. College town. National Pipe. Good schools and churches and National Bank. Side track to mill. Fuel cheap, near coal section. Big exchange business. Good feed business. Address I. B. X., Box 3, Grain Dealers Journal, Chicago, Ill.

**NEW YORK**—Flour and feed mill of 30 bbl. capacity, rye or buckwheat; 3 run stones; 2 for flour and one for feed. Never failing stream, 12 ft. head, good log dam. On the Central New England Ry. freight depot on mill property. Property contains 3 acres of ground, very good house, mill building, barn, coal shed, wagon scales, etc., all in excellent condition. Henry Buerman, Gallatinville, N. Y.

## BUSINESS OPPORTUNITIES.

**LAND FOR SALE**—Frontier Co., Nebr. The land of "Bread and Butter." Thousands of acres of wheat will pay for land it grows on this year. Ideal dairy country. Write John Pearson, Moorfield, Nebr.

**WHATEVER** your business may be, it will find a ready market if advertised in the "Business Opportunities" column of the Grain Dealers Journal, Chicago, Ill. 6,100 grain men look to these columns twice a month for real opportunities.

**EXCHANGE**—Widow owning fine new flour and feed mill; unincumbered; fine location; will exchange all or half interest for hotel, farm or income property. This is a sure money-maker, but have no relations adapted to milling business. Address Mrs. A. Holman, Alexandria, S. D.

## HELP WANTED.

**WANTED**—Competent and experienced wheat buyer for large country mill. Apply Commander Mill Co., 922 Flour Exchange, Minneapolis, Minn.

**WANTED**—Superintendent for small Feed Mill and Elevator in Ontario, Canada. Must be a good judge of grain and thoroughly familiar with all kinds Cattle, Horse and Poultry Feed. Give particulars of positions previously filled, salary expected and age. Must be able to furnish suitable references as to character and ability. Address Falls, Box 4, Grain Dealers Journal, Chicago, Ill.

## FERRETS.

**FERRETS FOR SALE**—Exterminate your rats at small cost. Catalogue and price list free. C. H. Keefer & Co., Greenwich, O.

## SITUATIONS WANTED.

**WANTED POSITION** in Grain Elevator as second man. Can furnish good references. Address J. B. Dawson, Gifford, Ill.

**SITUATION WANTED**—Manager of County Elvtr., 7 years' experience. Address Sid, Box 2, Grain Dealers Journal, Chicago.

**POSITION WANTED** as manager or second man of grain business; best references; 5 years' experience. B. W., Box 3, Grain Dealers Journal, Chicago, Ill.

**WANTED POSITION** by an expert judge of Grain and Seeds as buyer, solicitor or elevator superintendent. Address Kinsey, Box 4, Grain Dealers Journal, Chicago, Ill.

**SITUATION WANTED** as Mgr. Farmers or Private Elv. at once; 10 yrs.' experience all branches of grain business; not afraid to hustle; references. Address X. R., Box 4, Grain Dealers Journal, Chicago.

**WANTED** position as grain buyer or manager for Farmers or Independent Co. Can furnish best of references. Speak Norwegian fluently. Address E., Box 1, Grain Dealers Journal, Chicago, Ill.

**SITUATION WANTED** by man 38 years old, eleven years in grain business. Can go to work on short notice at reasonable salary. Married. References. Address Wal, Box 4, Grain Dealers Journal, Chicago.

**SITUATION WANTED** as traveling man for Grain Co. in Neb., Iowa, S. Dak. or Minn. Have had 14 years' experience and can furnish A1 references. Address Bess, Box 4, Grain Dealers Journal, Chicago, Ill.

**MANAGER** wants position. 15 years' experience in elevator and milling business. Would like to correspond with company looking for a first-class man. Address Not., Box 3, Grain Dealers Journal, Chicago, Ill.

**WANTED**—Position as Elevator Agent with Line House or Farmers Elevator Co. Eight years' experience. Can give A1 references and bond. Speak German. Married. Address 401 3rd Ave., W., Dickinson, N. D.

**WANTED**—Position as Manager of Elevator; 20 years' experience in Elevator and Milling business. Can furnish best of references as to character and ability. Address E. M. C., Box 4, Grain Dealers Journal, Chicago, Ill.

**POSITION WANTED**—Manager Farmers Elevator or Line House Agent. Practical engineer, millwright and bookkeeper. 10 years' experience in grain, coal and implement business. Good ref. and bond. Address W. T. H., Box 2, Grain Dealers Journal, Chicago.

**WANTED**—Position as Grain Buyer in some town or City. Have had 11 years experience in buying grain at Country elevator and desire to make a change. Am employed at present and can give any kind of references desired. Address Emp. Box 2 Grain Dealers Journal, Chicago.

**ARE YOU** looking for a position in any branch of the grain business? If you are send us your name, address, nationality, languages spoken, experiences, salary expected, references, in fact any information that will help an employer to form an idea of your ability to serve him. We will keep this information on file and from time to time place you in touch with elevator owners who seek competent help. This service will be absolutely free, placing you under no obligation whatever. Write today and get in line for a good position. Address—The Want Ad Man, Grain Dealers Journal, Chicago, Ill.

## AGENTS WANTED.

**MR. GRAIN DEALER.**  
Do you want to increase your profits? You can do so by selling King Lightning rods during your spare time. Write us for agency proposition. It's a winner.

Geo. M. King Mfg. Co.  
609 E. Walnut St., Des Moines, Ia.

## PARTNERS WANTED.

**YOU CAN SECURE** a partner if you make your wants known to the grain trade thru the Partners Wanted column of the Grain Dealers Journal.

## ADDRESS WANTED.

**WANTED ADDRESS** of G. S. Barnes, Jr., formerly of Wichita, Kan., and Minneapolis, Minn. Write S. E. E., Box 12, Grain Dealers Journal, Chicago, Ill.

## SCALES FOR SALE.

**SECOND-HAND SCALES** OF ANY make, size or price find many ready buyers if full description is given in an advertisement inserted in the "Scales For Sale" column of the Grain Dealers Journal, Chicago.

## SECOND-HAND BAGS AND BURLAP.

**FOR SALE**—4,000 second-hand cotton grain bags, holding 2½ bus. wheat, price 11c f. o. b. St. Louis. Will sell from 100 bags up. Write Foell & Co., 123 Market St., St. Louis, Mo.

**BURLAP BAGS** OF EVERY KIND FOR SALE; new or second-hand, plain or printed with your brand; Seamless Cotton Grain Bags; Sample Bags, Burlap, Cotton Sheet- ing, or Paper for Car Lining, etc. Wanted: second-hand bags, best prices paid. WM. ROSS & CO., 409 N. Peoria St., Chicago

## ENGINES FOR SALE.

**ANY KIND, ANY SIZE, ANY PRICE** gasoline engine which is not in use and which you wish to sell, will find many ready buyers if advertised in the "Gasoline Engines" column of the Grain Dealers Journal, Chicago. Try it.

## FOR SALE—BARGAINS.

1—12 HP. Badger Lauson .....	\$165.00
1—12 HP. Stover .....	275.00
1—20-25 HP. Nash, two cyl.....	385.00
1—22 HP. Fairbanks Morse .....	315.00
1—25 HP. Fairbanks Morse Special electric lighting engine .....	450.00
1—25 HP. Milwaukee .....	275.00

Badger Motor Co., Milwaukee, Wis.

## GASOLINE ENGINES FOR SALE.

44 H. P. Fairbanks-Morse.
25 H. P. Columbus.
25 H. P. Fairbanks-Morse.
22 H. P. Fairbanks-Morse.
15 H. P. Fairbanks-Morse.
12 H. P. Fairbanks-Morse.
6 H. P. Fairbanks-Morse.
4 H. P. Fairbanks-Morse.

Also fifty engines of varied sizes and all makes. Address A. H. McDonald, 547 W. Monroe St., Chicago, Ill.

When the first ring of the door bell is not answered, don't conclude that the folks are not at home. This applies to Journal "Wanted—For Sale" advertising. Ring again.



## MACHINES FOR SALE.

**FOR SALE**—King Buck Horn Machine in good condition at a bargain. Address C. C. Norton's Sons, Greenfield, Ohio.

**B. & L. No. 2, 8-Section Plansifter, \$150;** No. 1 B. & L. Bran duster, \$25. Both in good condition. Amboy Milling & Elevator Co., Red Cloud, Nebr.

**FOR SALE**—One boiler 16' by 54", 34 4" tubes. One 9x16 Brownell Automatic Steam Engine, water heater and feed pump. Too large for elevator. Cheap for quick sale. O. Klepinger, Ingomar, O.

## FOR SALE—BIG BARGAIN.

Complete equipment for 200-bbl. Flour Mill. Six stands, plansifter, bolters, centrifugal reels, etc., 75 H.P. Corliss Engine. Very cheap for quick sale.

Bartlett Bros. Grain Co.,  
Norwich, Kans.

**WANTED**—Grain Dealers who are contemplating installing new machinery to use the "Machines Wanted" columns of the Grain Dealers Journal in securing prices and estimates of machines for sale. We can save you money. More than value received.

## Can save and make money for you.

Entire line of remodeled guaranteed 2nd hand machinery must be sold within 30 days. Any size or make. Single and Double Head Attrition Feed Grinders and Corn Crackers. Single and Double 2 and 3 Pair High Roller Mills, Reels, Packers, Grain Cleaners, for all purposes. Boilers, Motors, Water Wheels, Burr Mills, Crushers, Shellers, etc. Can supply any thing new or 2nd hand for Flour or Feed Mill, Grain Elvtr., etc. Satisfaction guaranteed. Write for Prices at Once.

George J. Noth,  
9 South Clinton St., Chicago, Ill.

## 96% EFFICIENCY IN CRACKING CORN.

**Our Method**—We have devised a new method for making cracked corn which will give you 96% efficiency and at the same time give you a product that is even and unexcelled in quality. In fact, we steel cut every kernel of corn instead of grinding them, which eliminates the fine or undesirable product to 4 per cent. Our method is not only for corn but is adapted for Wheat, Rye, Barley, Rice, Peas, Kaffir Corn, etc., also cutting the grains to any degree of fineness desired.

By using our special corrugation we increase your capacity 25% more than at present, with 20% less power and give you a finished product superior in every detail.

**It pays for itself**—Taking into consideration the power saved, the increase in capacity afforded, the extra quality in product made, and finally the elimination of almost all of fine material created under the old way (which sells for less than cracked corn) means that our method will pay for itself in a short time.

Under the old way, a cracked corn separator is necessary, but with our method for general work, this machine is not required.

The results already stated will save you money on each bushel of corn, also the extra quality of product your customers receive will please them to the end of satisfaction, which will mean more sales, larger sales and finally greater profits; taking this into consideration no wide awake, energetic feed mill operator should lose any time in investigating our method. Write for information at once stating the kind of mill you now use for cracking corn.

Samples of cracked corn made by our method will be sent to any one upon request.

B. F. GUMP CO.,  
431 to 437 So. Clinton St.  
Flour Mill and Elevator Machinery,  
Chicago, Illinois.

## DYNAMOS—MOTORS

**DYNAMOS AND MOTOR BUYERS** are reached in largest numbers and less expense by offering them for sale in the grain trade's accepted medium for power bargains—the "Dynamos—Motors" columns of the Grain Dealers Journal, Chicago.

## FOR SALE—MOTORS.

50 H.P. General Electric A. C., 3 phase.  
25 H.P. Western Electric A. C., 3 phase.  
20 H.P. General Electric A. C., 3 phase.  
10 H.P. Westinghouse A. C., 3 phase.  
7½ H.P. Westinghouse A. C., 3 phase.

Write for prices. All motors guaranteed and sent on approval to responsible parties. Northwestern Electric Co., 611 W. Adams St., Chicago, Ill.

## SOLICITORS' SIDE LINE.

**WANTED** men calling upon grain shippers to carry small book needed by every grain firm. Easy sales, large commissions. Address W. B. Granger, 507 Traders Bldg., Chicago, Ill.

## FLOUR FOR SALE.

**MIXED CARS** of flour and mill feeds in 100 pound sacks are our specialties. We are now manufacturing a full line of corn goods, cracked corn, feed meal, corn and oats chop, Ohio Farm feed, shelled corn and standard oats, in connection with our flouring mill. Would like to send you a trial to convince you of the superiority of our products. Ansted & Burk Co., Springfield, Ohio.

Elevator Man  
ATTENTION

Install an Automatic Drain Circulating Pump and take the responsibility away from your Agent forgetting draining the Engine.

Prevents bursting of Cylinder, accumulating of lime in the water Jacket, over heating of Engine, saves Fuel, oil and trouble.

Write for Circulars

G. G. Forester Mfg. Co.  
MOLINE, ILL.



## Use a "Knickerbocker Cyclone"

ON YOUR GRAIN CLEANERS.

Save the Dust—Sell It—Give It Away—Burn It if You Have to, But Don't Let It Settle All Around Your Elevator.

If You Don't, Your Number Will Ring Sure

The Knickerbocker Co.,

Jackson, Michigan

## SCREENINGS WANTED.

**WE ARE IN THE MARKET** for clover seed screenings now, and for the coming season. We will either contract for your entire output or buy your different lots by sample. It will be to your interest to confer with us before making any disposition of your screenings and low grade seeds. We will be glad to hear from you. J. M. King & Son, No. Vernon, Ind.

## GRAIN TRIERS

which will not clog or bind. Steel tubing fitted with maple pole. Point is turned of solid bar steel. Top is fitted with a bronze collar. Trier is 56 x 1¼ inches and has eight openings.

OTTO KELLNER, JR., 4028 So. State St., Chicago, Ill.

## SECOND-HAND

Shellers, Cleaners, Clippers, Scales, Feed Mills, Steam Engines, Boilers, Gasoline Engines, Belting, Buckets, Conveyors or any other elevator machinery can be bought or sold quickly by placing an ad. in the "Wanted" or "For Sale" columns of the

GRAIN DEALERS JOURNAL  
OF CHICAGO

## FOR SALE



For particulars see "Elevators" For Sale columns of this Journal.



its own steam power plant, with rope drives.

The Marine Elevator is very conveniently situated for the handling of local grain. M. J. Ryan is superintendent and Harold L. Abell, manager. The company is one of the pioneers in Buffalo's grain trade, Wm. H. Abell organizing in 1856 and the business remaining in the family ever since.

### The Kellogg Elevator.

The Kellogg Elevator is an up-to-date structure of reinforced concrete designed to handle different kinds of grain as well as to elevate and store flaxseed for the linseed oil mill on the opposite side of the slip. It is operated by Spencer Kellogg & Son, Inc., Godfrey Morgan is manager and Harvey Cutting is superintendent.

This house comprises 20 large bins in two rows, and 30 interstice bins, giving a storage capacity of 1,000,000 bus. On the opposite side of the slip stands a single bin of 60,000 bus. capacity filled thru a conveyor gallery extending from the elevator and serving the oil mill adjacent. Two movable marine towers have a capacity for unloading 16,000 bushels per hour each, from boats. Three belts in the cupola distribute the grain to the bins and the bins are emptied on two conveyor belts in the basement story. Rail shipments are made over the Buffalo Creek Railroad, the loading capacity being 90 to 100 cars per day of 10 hours. The plant was built by the Monarch Engineering Co.

### The Great Eastern Elevator.

The Great Eastern Elevator is an aggregation of steel tanks, working house, conveyor galleries and two movable marine towers, centrally located on the Buffalo River near the mouth and served by the Buffalo Creek Railroad. The plant is operated by the Great Eastern Elevator Co., with Frank S. Elder, vice pres. and general manager, and C. A. Storms is superintendent. The plant is 196 ft. in height and its dock frontage is 700 feet. The floors are of concrete, but all the tanks are of steel, 75 being of

In loading out grain a record has been made of 120 cars in 5 hours, the ordinary capacity at this house being 200 cars per day. The house has 8 car loading spouts and 4 cars can be loaded at one time. The building is of cribbed construction, with substantial brick veneer, 400x120 ft., and 130 ft. high, containing 115 bins, with 3,000,000 bus. total capacity.

### The Wheeler Elevator.

George E. Pierce manages three elevators, the Wheeler, the Evans and the Monarch. The Evans and the Monarch are situated on the same slip off Buffalo River and served by the New York Central Railroad, while the Wheeler is farther up and on the other side of the stream on the Buffalo Creek Railroad. Mr. Pierce owns the Evans Elevator, while A. J. Wheeler owns the other two houses, operating under the name Wheeler Elevator Co. Fred L. Roberts is superintendent at the Wheeler Elevator, Chas. Bartholomew at the Monarch and F. E. Hurburt at the Evans.

The Wheeler Elevator is an up-to-date concrete and steel house of 750,000 bus. capacity. The single stationary marine leg has an elevating capacity of 18,000 bus. an hour, and two legs in the working house have a capacity of 20,000 bus. each. A conveyor belt in the cupola distributes the grain into the 33 bins and interstices. The structure covers 80x130 ft. and stands 110 ft. high. The bins are emptied by three belts in the basement.

Weighing is done on an in-store Buffalo Scale of 200 bus. capacity and on an out-store Buffalo Scale of 500 bus. capacity. Ninety cars can be loaded in a day of 10 hours. The plant was built by the Monarch Engineering Co.

### Evans Elevator.

The Evans Elevator has a storage capacity of 500,000 bus. in the two houses, A and B. The A house contains three conveyor belts and grain is run from house to house by spouts. The two stationary marine legs have a capacity of 10,000 bus. per hour each, and each of the two houses contains 2 elevator legs. The

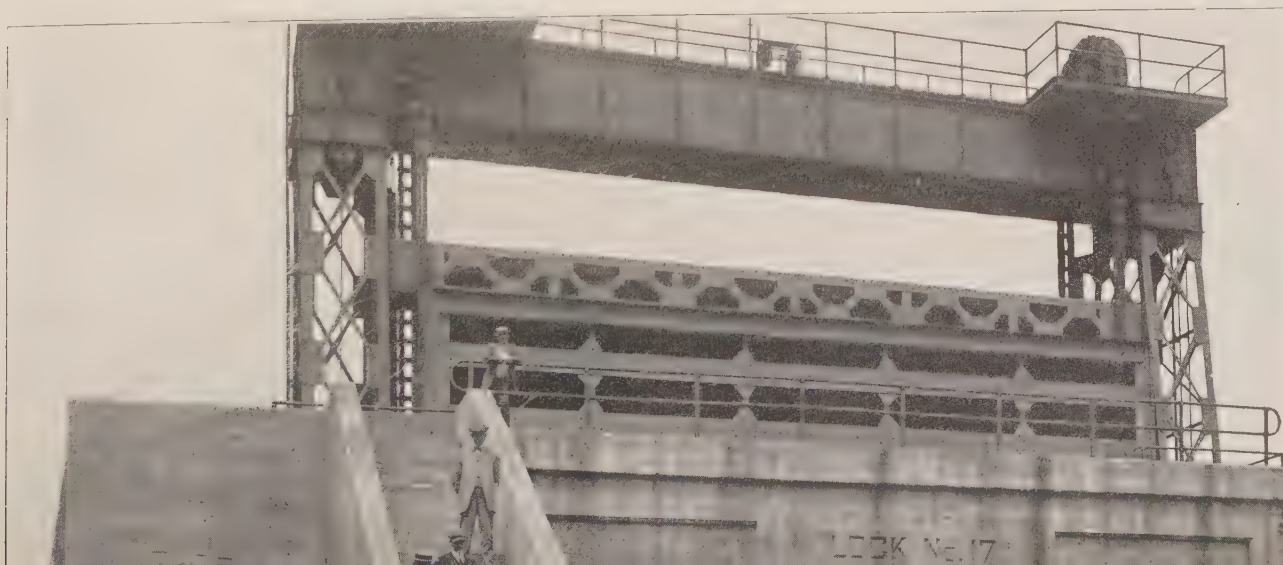
bins are tunnels containing a similar equipment of belts for withdrawing grain from storage. The entire plant is electrically driven—another unique feature being the direct attachment to the marine leg of the large motor by which it is operated. R. Wilson is superintendent.

The Frontier elevator is used almost exclusively for handling and storing wheat for the Washburn-Crosby Co.'s mills adjacent. These mills have approximately fifty bins of concrete or tile construction for storage purposes. The bins have storage of approximately 1,250,000 bushels. With the Frontier elevator they are used for keeping supplied the Washburn-Crosby Co.'s flour mills, known as A and B. These mills are driven by a combination of steam power and electric power from Niagara Falls and have a maximum daily output of 16,000 barrels of flour. The shipping facilities of the Washburn-Crosby mills are unexcelled. They can be reached by water and are directly upon the Buffalo Creek Railroad tracks, which give them quick and easy access to every railroad running out of the city of Buffalo. The Frontier Elevator, as well as the Washburn-Crosby Mill was built by James Stewart & Co.

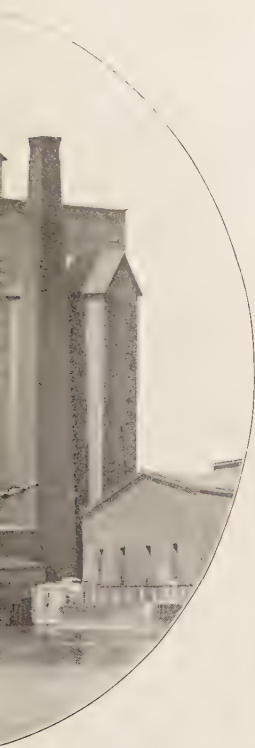
### Connecting Terminal Elevator.

Among the more recent plants erected at Buffalo is the Connecting Terminal Elevator, Chas. Strasmer, manager. The house provides storage for 1,000,000 bushels, has one rail receiving leg with a capacity of 20 cars per day of 10 hours, and one movable marine leg can transfer from vessels 22,000 bushels per hour. Track facilities are provided for the storage of 200 cars. The shipping capacity to boats is 25,000 bushels per hour and to cars 20 carloads per hour. The house is provided with 2 Cone Aspirators, Day Dust Collecting System with floor sweepers, and power is furnished by 12 General Electric Motors. The elevator is of reinforced concrete and was built by the Monarch Engineering Co.

The plant is 224 feet long and 66 feet wide, consisting of 30 circular concrete



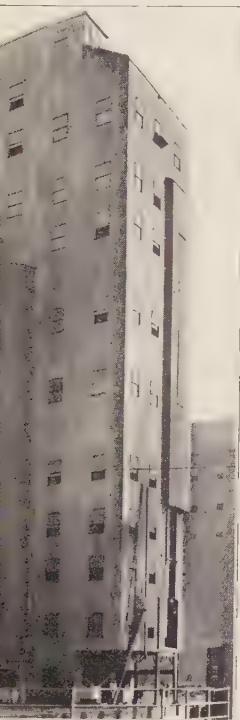
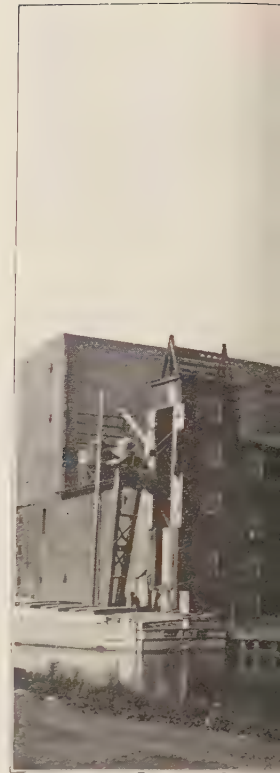




Exchange Elevator Co.



The Buffalo Cereal Elevator, Operated by the Buffalo Cereal Co.



Wheeler Elevator Co.



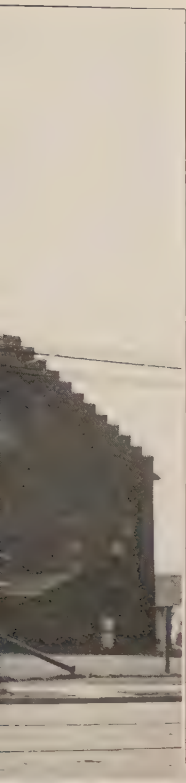
The Evans Elevator, Operated by George E. Pierce.



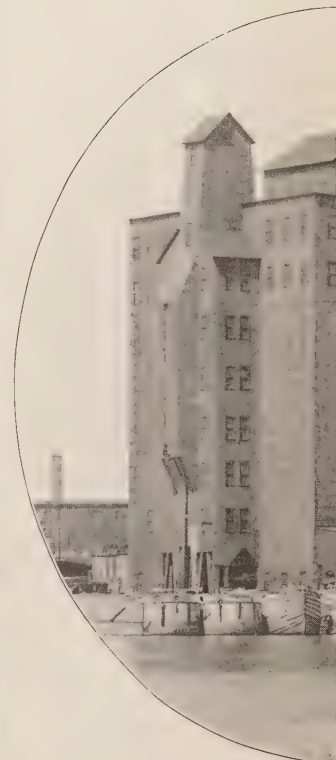
Globe Elevator Co.







Elevator and Mill, Operated by the H-O Co.



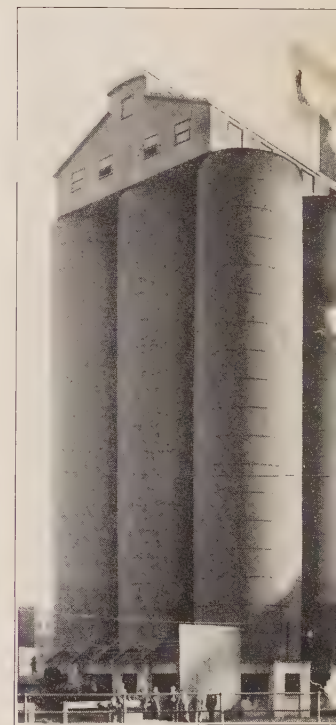
The Exchange Elevator, Operated by the H-O Co.



Co.



The Buffalo Creek Transfer Elevator, Operated by the Eldad Milling Co.



The Monarch Elevator, Operated by the H-O Co.





### The Fleischmann Malting Co.

The two important plants of the Fleischmann Malting Co., located at Buffalo, are the Riverside and the Charles G. Curtis branches. The houses afford a storage capacity of approximately 200,000 bushels of grain. The Curtis plant is composed of 10 concrete bins with interstices, while the Riverside branch is of the cribbed iron clad type.

### Ralston Purina Plant.

A reinforced concrete structure with storage capacity of 550,000 bushels has been constructed on the site of the old Husted mill for the Ralston Purina Co. The old part of the bin house has one story under the bins and the new section has 2 stories and basement under the bins. The plant has 2 shipping tracks and 2 receiving tracks under which are 4 receiving pits. Two shipping legs, each of 16,000 bushels capacity are provided, and 7 small legs facilitate the handling of grain to the mill. The equipment includes 2 loading spouts, 17 General Electric Motors, an Ellis Drier of 1,000 bushels per hour capacity, 2 Monitor Receiving Separators, complete dust collecting system, taking dust from heads, boots, pits and cleaners.

The new part of the plant comprises 33 storage bins, and 18 large and 25 small bins remain in the old section. The steel track shed has a concrete roof. Other equipment includes two 2,000-bushel hopper scales, two 2,400-bushel garners over each scale hopper. Scales, hoppers and garners are all ventilated. All elevator and head shafts have ball bearings and direct connected motors. Manlift is of the Wolf Continuous Belt type, but stairs are also provided in a fireproof tower adjoining the plant. Vacuum cleaners, pneumatic tubes and Electric Signalling systems are also installed. U. L. Hedrick is manager of the plant, which was designed by the A. E. Baxter Engineering & Appraisal Co.

### The Meyer Malt Plant.

One of the principal arteries of Buffalo's tremendous malt industry is the plant of George J. Meyer, located on the Erie Canal and the New York Central Ry. The property has a frontage of 1,600 feet, provides storage for 900,000 bushels of grain in 205 bins and has an elevating capacity of 12,000 bushels per hour. More than 2,500,000 bushels of malt are manufactured annually. The plant was built by the Monarch Engineering Co.

### The Perot Elevator.

Nine large concrete tanks each with 40,000 bushels storage capacity, and 24 smaller bins of various capacities form the grain storage facilities of the Francis Perot's Sons Malting Co. The annual malting capacity of this company's Buffalo plant is in excess of 1,000,000 bushels. The buildings are of fireproof construction, and operated thruout by electricity. At present the concern has

package goods enabling the company to make prompt shipments.

The feed mill is separate from that portion of the plant devoted to the manufacture of breakfast foods and is equipped with machinery and every modern facility for making the several brands of horse, cattle and poultry feeds that have helped to make the H.-O. Company famous.

Electric power is furnished by the company's own power plant and every device necessary to insure uniformity in the making of the various products has been installed. Quality is the watchword throughout the establishment.

The H.-O. Company numbers among its employees many who have been with it for years, and their loyalty and experience backed by large financial resources enables the company to maintain service that makes for permanent success.

### The Concrete Elevator

The latest addition to the grain handling facilities at Buffalo is the up-to-date reinforced concrete house of the Eastern Grain, Mill & Elevator Corporation, which company also operates the Iron Elevator. Mr. N. Grammer is president of the company and in charge of its elevators.

The new house, which will be called the Concrete Elevator, is of the uphouse type, having a working story underneath the bins. This style of elevator is becoming very popular with the Buffalo grain trade, its many good points having been demonstrated by several of the plants recently built on that principle.

The Concrete Elevator has two marine legs with receiving capacity from boats of 53,000 bushels per hour, or six carloads per hour from cars. Thirty-six cars per hour may be loaded. Storage for 1,000,000 bushels of grain is provided. The plant is one of the most rapid handling houses on the Great Lakes, and was designed and built by the Monarch Engineering Co.

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## The New Erie Barge Canal

The new Erie Barge Canal is one of the most important matters now occupying the attention of the Buffalo grain trade. The city is expecting much from the new waterway, but its ideas concerning returns on the projects are not extravagant. It is believed that the opening of the Barge Canal will make of Buffalo virtually a seaport, as it will be possible then to send immense barges thru to the Atlantic ports.

The Erie Canal for years carried the bulk of Buffalo's lake grain eastward. Of late while used less for this purpose the waterway has still been a great regulator of freight rates between Buffalo and the seacoast. It gave to the west a complete water route to the Atlantic, and shippers of grain and flour were not slow to see the advantages afforded. That commerce has always been the Canal's principal source of revenue.

For years, however, the railroad elevators at Buffalo were unwilling to handle grain brot in by the canal route or by lake for transfer into canal boats. Many of these houses have now provided facilities for spouting into the barges. But before they would consent to handle canal grain, floating elevators were introduced to do this work. Since the larger structures have arranged for the accommodation of the canal traffic these floating elevators have naturally disappeared, there being no further need for them.

The original Erie Canal was started about 1825 and thrown open to navigation in 1834. The boats plying the waterway were of 70 tons capacity. Within a very few years it was found necessary to enlarge this canal, but many difficult complications were encountered with the result that the work of enlarging was not completed until 1862. The channel was deepened from 4 to 7 feet and the entire distance was widened to accommodate boats of 210 tons capacity. Since that time no effort has been made to in-

and the following sections are either being constructed or revised at present: Lock and dam at May's Point, gates at Delta Dam, Rochester Harbor, dredging from Stillwater to Northumberland, viaduct at Clyde, and bridge at Little Falls. The Cayuga and Seneca divisions are also under way at present, while the dredging at the Albany entrance is being considered by the Canal Board.

No contracts have as yet been awarded for the building of the Buffalo terminals, but it has been definitely decided that they shall be located in the Erie Basin, and it is promised by those preparing the plans that the terminals will be sufficient to meet the needs of all shipping requirements.

In the building of the canal it has been necessary to build reservoirs or small lakes, the most important of which are the Delta and Hinckley. The dam at Delta has supplied the state with an artificial lake six miles long. The length of the dam is 1,100 feet and the length of the spillway is 300 feet. Maximum height of masonry above rock is 100 feet and the height of the overfall is 70 feet. More than 90,000 cubic yards of concrete were used in constructing the dam and the cost of the work was \$940,000. Details of construction included relocating the canal for two miles, a flight of lift locks and a reinforced concrete aqueduct 208 feet long.

The capacity of the canal's reservoir at crest level is 2,750,000,000 cubic feet and the maximum depth is 70 feet with an average depth of 23 feet. To build the dam and permit of the resulting reservoir, it was necessary to remove 295 buildings; 10 miles of highways were submerged and seven locks and one aqueduct were destroyed.

The Hinckley dam, also in Oneida



its construction gives the state a lake nine miles in length. Total length of spillway is 3,700 feet and the length of spillway is 400 feet. The maximum height of masonry above rock is 52 feet and the approximate height of overall is 61 feet. The masonry contents total 110,000 cubic yards and the amount of embankment 611,000 cubic yards.

The contract price of the Hinckley dam and reservoir was \$974,000. The area of water shed served by the dam totals 372 square miles. Capacity is 3,445,000,000 cubic feet and the maximum depth is 75 feet. To build the Hinckley parts of three villages were removed, including 209 buildings, and seven highways were submerged.

The water which is kept in storage at the Delta and Hinckley reservoirs, or lakes, constitutes the principal feeder for the new Barge Canal to the east as far as Albany and west as far as Montezuma. These dams also serve to regulate the flow of water in flood times, eliminating the great damage which might happen to property below them.

At the entrance of the Canal to the Mohawk River two immense dams have been constructed. The Crescent and the Vischer's Ferry. The Crescent is constructed in the form of a half circle, intersected on one end by a large island. This dam is completed except for five small openings which can not be completed at present owing to pending litigation. The Crescent Dam is 1,922 feet in length with a radius of 700 feet. The width at the base is 42 feet and at the top 11 feet. The cost of construction was \$466,438.

A power house has been built at this dam to furnish electric power for five locks, the most distant of which is the Waterford Flight, two miles from the dam.

The construction work involved in the building of eight movable locks and dams incidental to the canalizing of the Mohawk River included foundations of varied character, some on rock and others in hardpan or lighter material. Where the light material was encountered in the same necessary to enclose the entire structure with sheet piling.

At Rocky Reef Feeder, Crescent and Herkimer, three guard gates have been built in order to confine the floods in the Mohawk River. These gates are the highest on the entire Barge Canal System, their height being 24 feet.

The Barge Canal law stipulates that a sufficient water supply shall be furnished for a seasonal traffic of at least 10,000,000 tons, but it is estimated that the supply is actually sufficient for a tonnage double that required.

First Story of the Superior Elevator at Buffalo, N. Y.



increase in size of the canal boats and some of those used in 1862 are still in service, tho their number has been largely increased.

The new canal, however, will have a capacity 25 times greater than the present. Instead of accommodating vessels or canal boats of 240 tons capacity these will be replaced possibly by those of 3,000 tons burden. Several men who have grown old in the service about the canal are of the opinion, however, that a smaller boat, perhaps of 1,500 tons capacity, will be more practical, and if the tonnage of freight warrants, more of them may be used.

That New York State is in deadly earnest in its desire to make the Erie Barge Canal beneficial to its people is forcefully brot out by the money it has invested in the project. The original canal cost the state \$7,600,000, and its revision some 30 years later brot the total cost up to \$46,018,000. The expense to the state of the new waterway is expected to total \$130,000,000.

The work from Sterling Creek to the Oneida County line has been completed

**The H.-O. Company's Plant.**

The H.-O. Company mill is the largest in Buffalo devoted to the manufacture of package cereals, and occupies an entire city block, bounded on one side by the Lake Shore tracks.

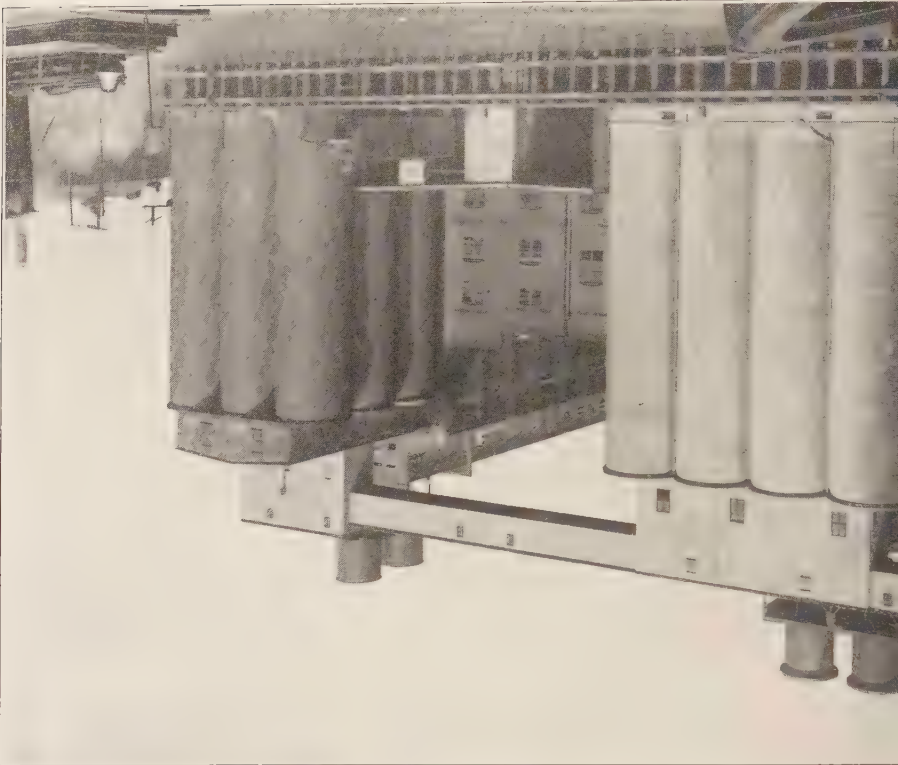
The plant has an elevator and tank capacity for 200,000 bushels of grain and track facilities for 20 cars. The company's products are known from coast to coast, and the sales of its trade-marked brands, including H.-O. Oatmeal, Force, Toasted Wheat Flakes and Presto Self Raising Flour were never in a more satisfactory condition than at the present time. A four story addition, built three years ago, of steel and concrete, provides storage facilities for thousands of cases of

art & Co. F. J. Stull is superintendent. was designed and built by James Stewart & Co. The plant was established in 1887 and incorporated in 1887, two centuries later. The oldest business house in America, being established in 1687 and incorporated in 1887, is in a position to install such an addition whenever desirable. This company bears the distinction of being the oldest business house in America, being established in 1687 and incorporated in 1887, two centuries later. The plant was designed and built by James Stewart & Co. F. J. Stull is superintendent.

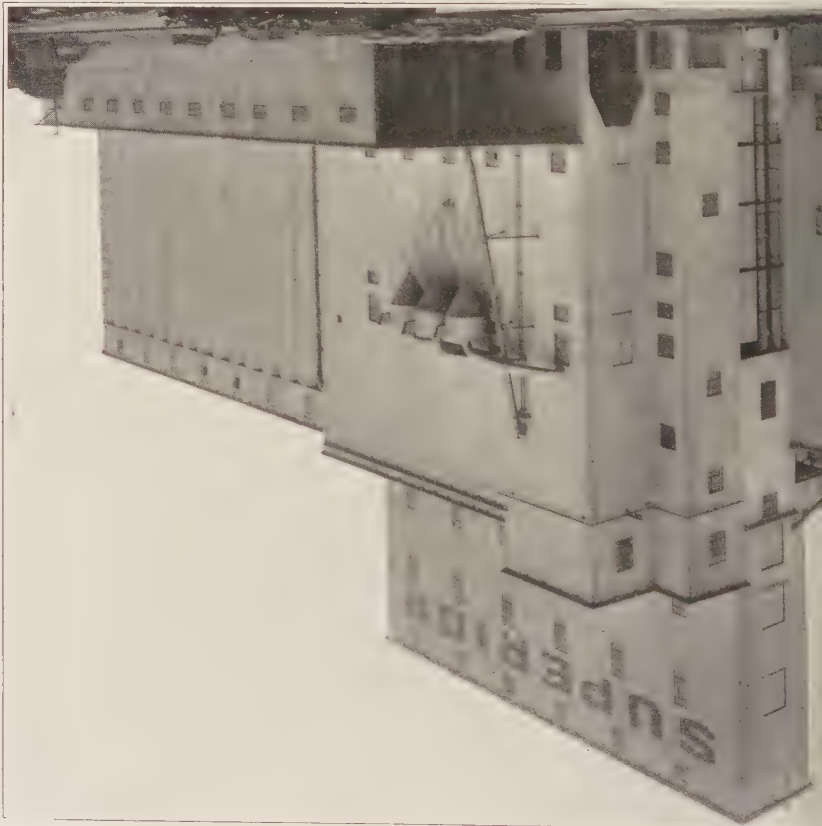


# The Grain Handling Fa

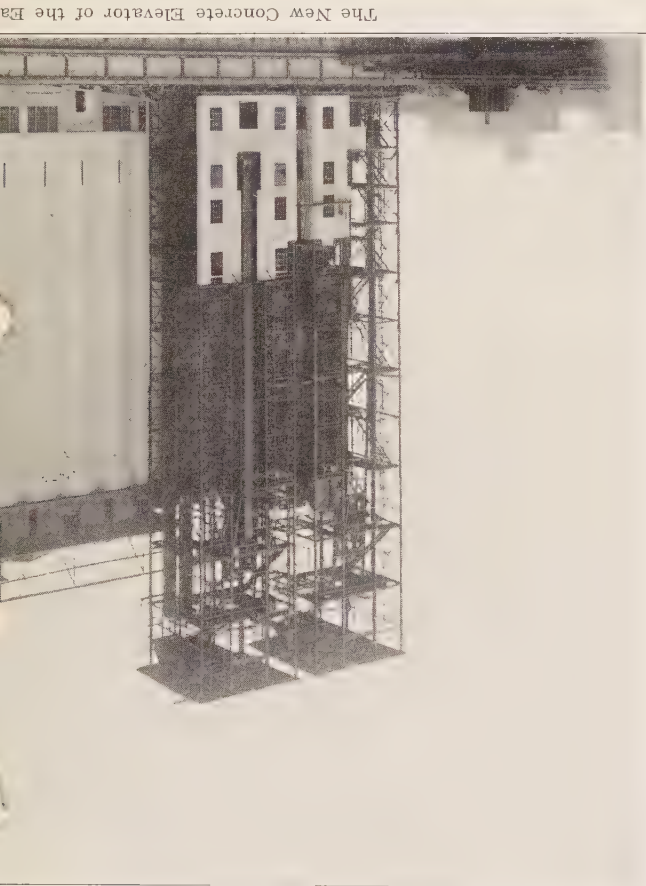
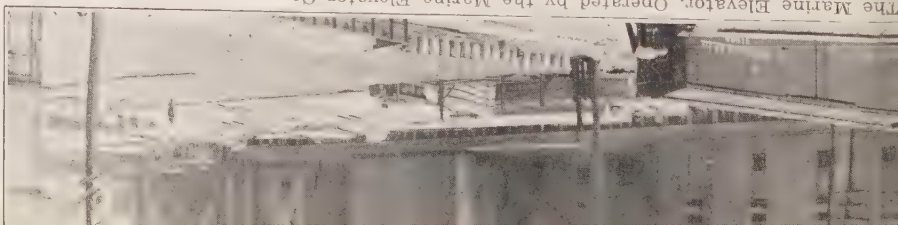
The Mills Operated by the Washburn-Crosby Co.



Superior Elevator, Operated by Pratt & Co.



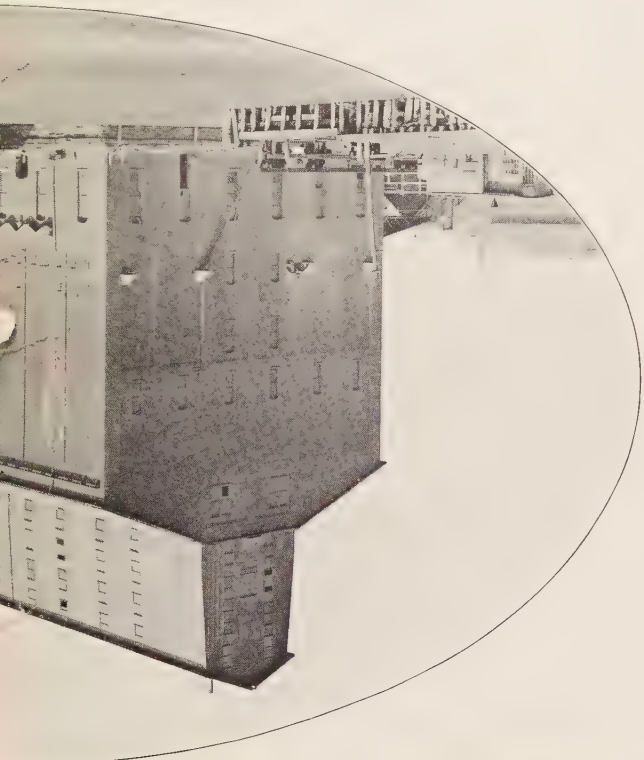
The Marine Elevator, Operated by the Marine Elevator Co.



The Dakota Elevator, Operated by the Dakota Elevator Co.



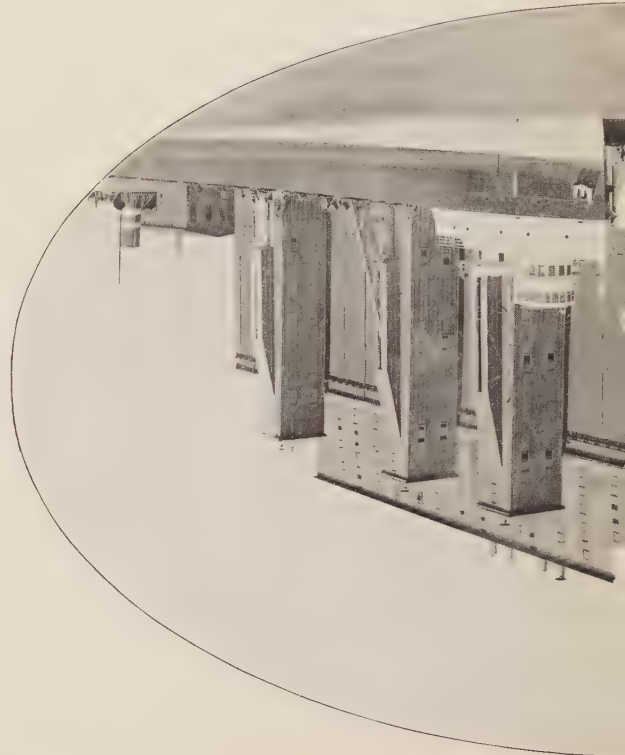
The Mutual Elevator, Operated by the Mutual Elevator Co.



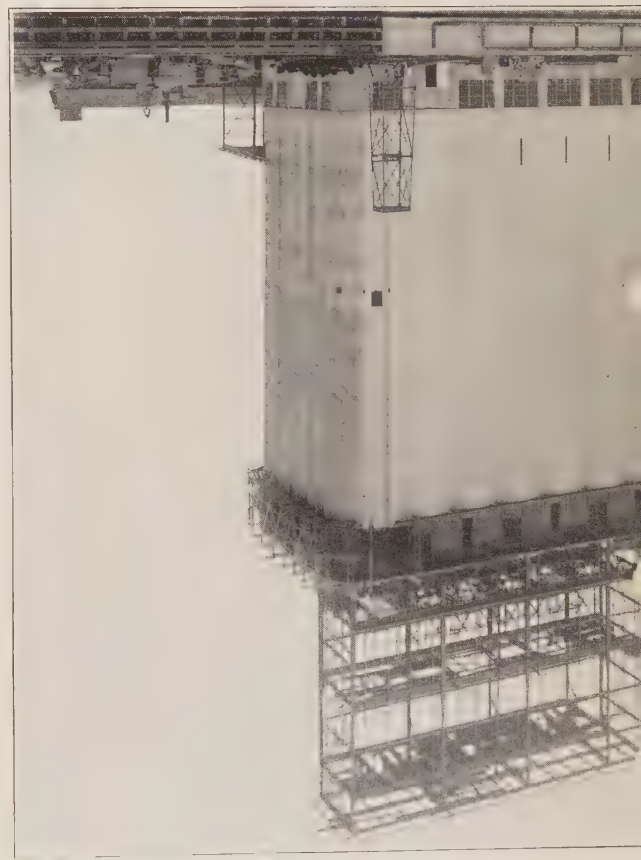


# ilities of Buffalo, N. Y.

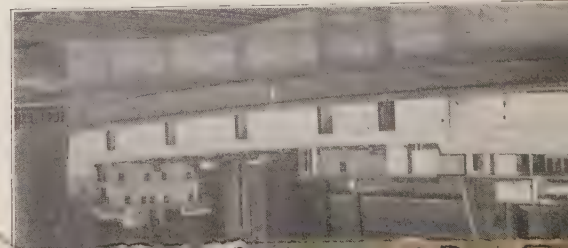
by the Mutual Terminal Co.



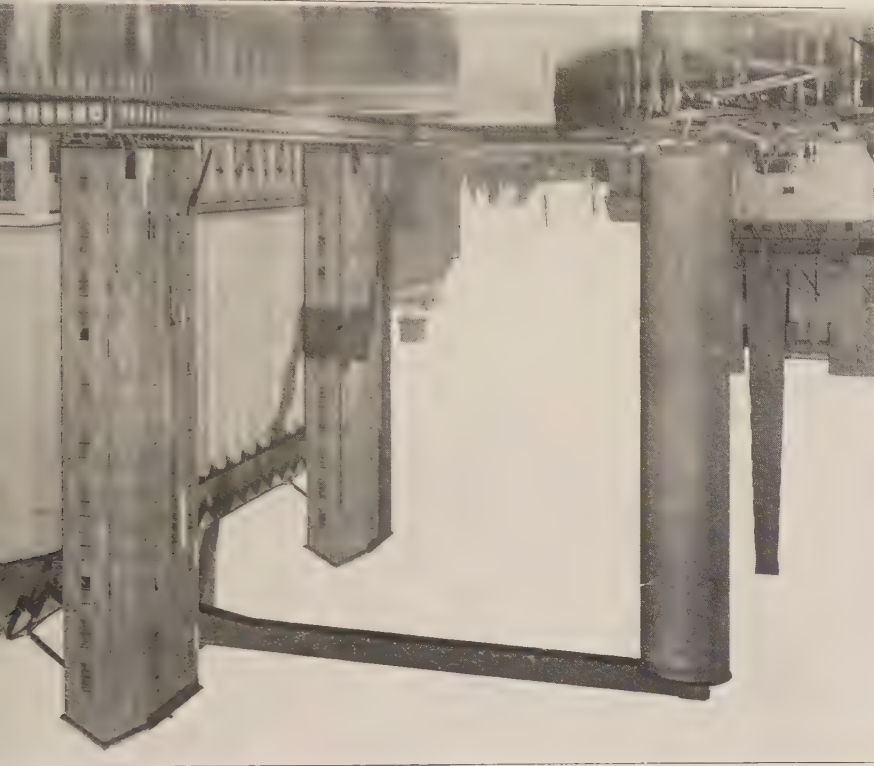
n Grain, Mill & Elevator Corporation.



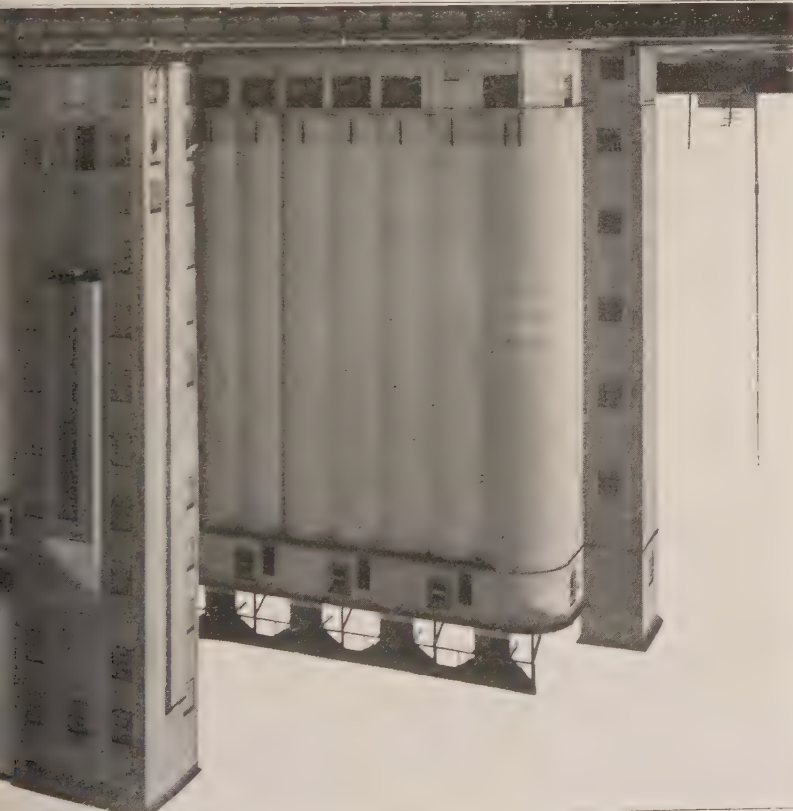
y the Buffalo Elevating Co.



The Kellogg Elevator, Operated by Spencer Kellogg & Son



The Connecting Terminal Elevator, Operated by the Connecting

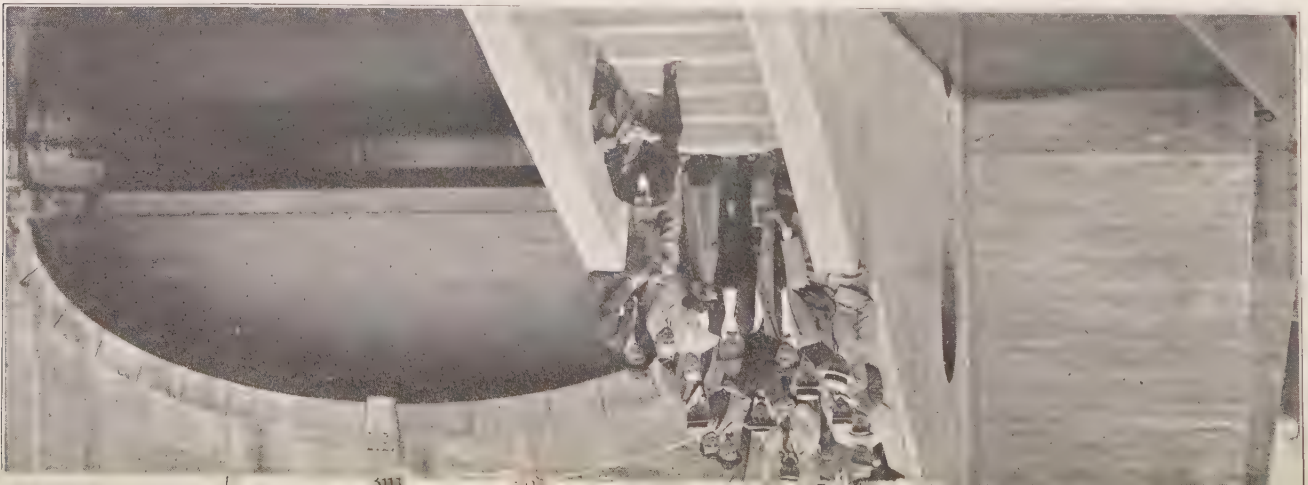


The Elevator and Malt House Operated by the American Malt





Type of Lock on the New Erie Barge Canal. This Lock is located at Little Falls, N. Y., and is one of the Highest Lift Locks in the World.



The movable marine towers have an elevating capacity of 12,000 bus. each per hour, and in the working house are 14 elevators legs. Two loading spouts load canal boats and two load cars. The house was built in 1901 by the Monarch Engineering Co.

#### Buffalo Creek Transfer Elevator.

While not large in point of storage capacity, 35,000 bus., the Buffalo Creek Transfer Elevator, operated by the Elhad Milling Co., is of great service to the trade in transferring grain from car to car, giving official weight, cleaning, drying, and bleaching. Far from the congested water front this elevator never has to wait for cars in which to load. All kinds of grain are handled and the plant runs nights during the rush season, employing 14 men besides the millwright and superintendent.

The plant was erected 18 years ago as a flour mill, was burned, and 7 years ago was remodeled as a transfer elevator. Geo. Bartlett is pres. of the company, L. S. Churchill, vice pres. and manager, and Thos. O'Hara, superintendent.

The 6 legs have an elevating capacity of 6,000 bus. each per hour, two being for transfer in and out. Each of the two Paints Scales placed below with 2,000 bu. gars has a capacity of 22,000 lbs. The equipment includes an aspirator, Monitor Clipper, Monitor Separator and a 500-bu. per hour drier specially designed by Mr. Churchill, one receiving sink and one car loading spout. Additional reinforced concrete storage is now under construction, increasing the capacity to 100,000 bu.

#### The Mutual Elevator.

One of the largest elevators at Buffalo is the Mutual situated on the Buffalo Creek Railroad and the Blackwell, or City Ship Canal. John Lane is superintendent. The plant is operated by the Mutual Terminal Co., of which Chas. M. Heald is pres., J. A. Stevenson, manager, and J. F. Lane, superintendent.

Three movable marine legs give this house a large receiving capacity from lake boats. These legs have an elevating capacity of 36,000 bus. per hour. Ten legs are inside the house, each with an elevating capacity of 17,000 bus. per hour. Distribution of the elevated grain is effected by direct spouting and two conveyors on the bin floor. The scales are of Fairbanks make, those in the marine towers having a capacity of 200 bus. per hour, and each of the 10 outstore scales in the cupola taking 78,000 lbs. in one draft.

#### Monarch Elevator.

The Monarch 450,000-bu. elevator is of steel construction on a concrete first story, comprising 40 bins, the large bins holding 25,000 bus. The working house is 150 ft. high. The stationary marine leg has an elevating capacity of 16,000 bus. per hour and the two legs inside provided in each of the bin stories. Eight Invinible Separators are used for cleaning the barley and malt. The cupola contains 5 Invinible Double Nettle Machines, Richardson Automatic Scale and 2 Fairbanks Hopper Scales. All floors are of tile, steel and concrete and the roof is also of tile on steel supports, with a covering of 4-ply felt and composition. The house contains 5 legs, 2 of 6,000 bus. capacity per hour each for handling barley, 2 of like capacity for malt and a lifting leg for receiving grain from the marine tower. On each side of the house are two tracks, two for shipping and two for receiving. The entire equipment is run by electric motors of the three-phase 400-volt alternating current type and the total storage capacity is over a quarter million bushels.

The plant is of cribbed construction, covered with corrugated iron, 35x80 ft. and 120 ft. high, containing 96 bins with a capacity of 1,000,000 bus. This house has its own steam power plant. The stationary marine leg has an elevating capacity of 18,000 bus. per hour. With 6 legs in the house, 6 conveyor belts in the cupola and 11 below, handling is so facilitated that all operations can proceed simultaneously. The 6 legs each have a capacity of 12,000 bus. per hour, one being for loading, one for loading canal boats and 4 for car loading. Spouts are provided for loading into cars, and canal boats. The scales are of the Fairbanks make, 4 of 66,000 lbs. capacity each for cars, 2 of 200 bus. each for in-store weighing and one of 200 bus. for canal work.

#### The Frontier Elevator.

This structure is of reinforced concrete, fireproof in every particular; divided into a series of large tanks with a capacity of 2,400,000 bushels. The bins are filled through the operation of a marine leg, which has an elevating capacity of approximately 22,000 bushels per hour. This marine leg is housed in a cylindrical tower of unique type. It is of reinforced concrete, being the first tower of this description. The concrete bins of the elevator are surmounted by a gallery in which are the necessary belts, trippers, etc., for taking the grain from the marine leg to the bins. Beneath the

#### Iron Elevator.

The Iron Elevator of the Eastern Grain, Mill & Elevator Corporation, the built in 1900 is one of the highly important factors upon which Buffalo depends. The house comprises circular steel bins 16 feet in diameter by 65 deep, and a lesser tier for conditioning grain. Material used in construction is steel resting upon a concrete foundation with concrete floors throughout. The cupola is also of steel covered with galvanized iron. Belt conveyors, cleaners, clippers, 4 scales and gars each of 1,600 bushels capacity is a partial list of the plant's modern equipment. The track sheds are so arranged as to facilitate the rapid receipt and shipment of grain. Mr. N. Grammer is president of the company and in charge of its two elevators, the Iron and the Concrete, which is now nearing completion. The Macdonald Engineering Co. built the plant. Storage capacity is 300,000 bushels.

The storage proper comprises 48 concrete tanks 25 feet in diameter and 90 feet deep with steel hopper bottoms. The interspaces are also utilized for storage, giving the plant a total storage capacity of over 2,250,000 bushels. The plant was designed and erected by James Stewart & Co. John Cusack is superintendent.

The house comprises circular steel bins 16 feet in diameter by 65 deep, and a lesser tier for conditioning grain. Material used in construction is steel resting upon a concrete foundation with concrete floors throughout. The cupola is also of steel covered with galvanized iron. Belt conveyors, cleaners, clippers, 4 scales and gars each of 1,600 bushels capacity is a partial list of the plant's modern equipment. The track sheds are so arranged as to facilitate the rapid receipt and shipment of grain. Mr. N. Grammer is president of the company and in charge of its two elevators, the Iron and the Concrete, which is now nearing completion. The Macdonald Engineering Co. built the plant. Storage capacity is 300,000 bushels.



& H. R., N. Y. C. & St. L., Pa., P. M., South Buffalo, Wash., West Shore, Connecting Terminal and Buffalo Creek. With the increase in receipts the early handling and storage facilities of Buffalo were soon inadequate. In 1870 the storage capacity is said to have been increased to 10,000,000 bushels. Since then many houses have burned and some have been razed to make room for larger and more

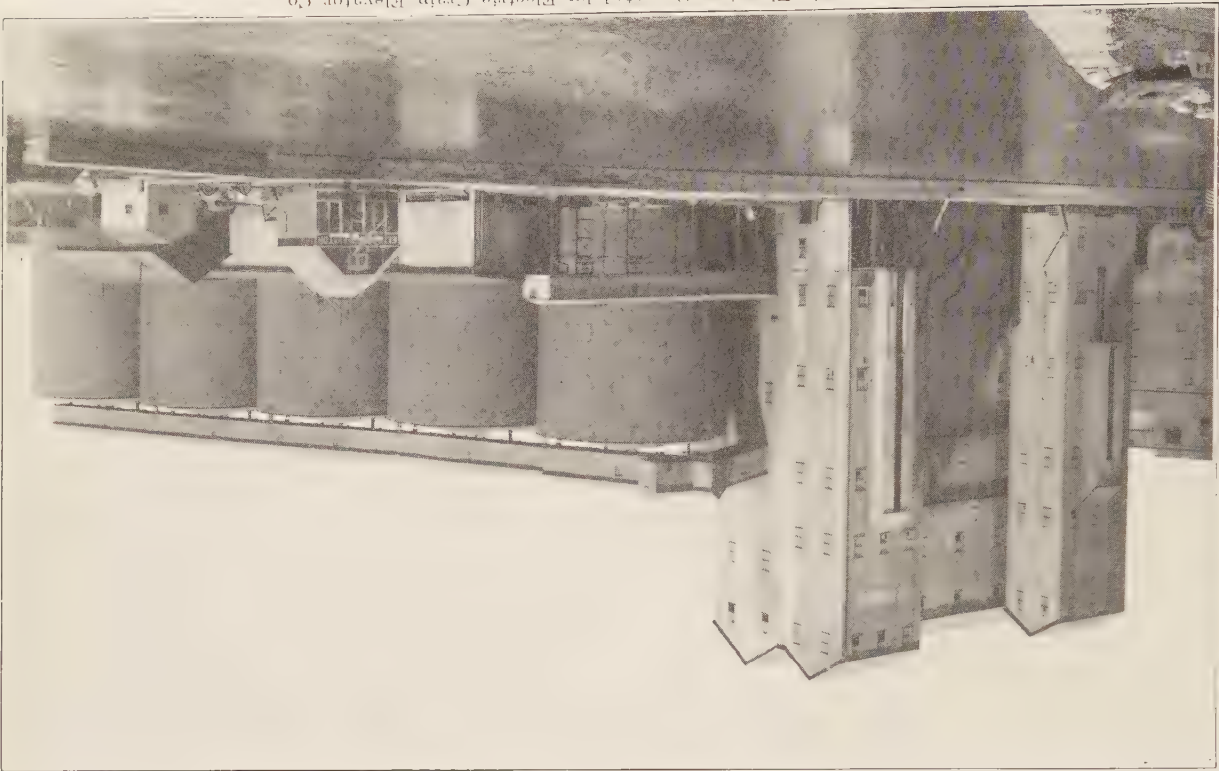
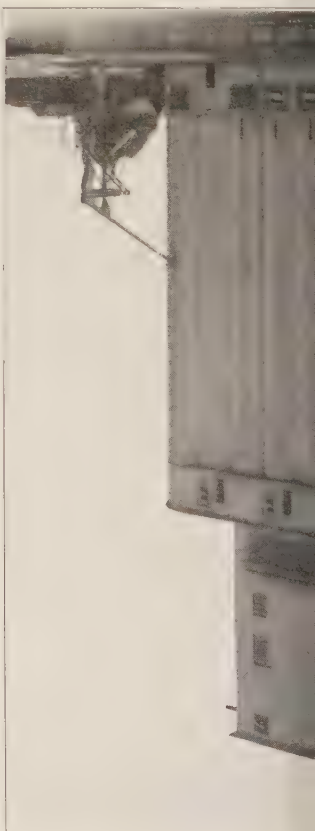
of the largest feed mixing plants in the east, having an output of over 20 cars per day. The plant comprises three buildings, each 210 ft. long, an elevator 100x150 ft., and 90 ft. high, containing 25 bins, with bulk storage for 150,000 bu. and sack storage for 150 cars. A conveyor belt carries grain from receiving sink under track to two elevator legs. The plant is situated on the Erie Railroad. Electric current from Niagara Falls runs the six motors of 25, 50, 75, 150 and 250 h. p.

The building is of cribbed construction, 110x88 ft., and 138 ft. high, its 112 bins having a storage capacity of 500,000 bus. The marine leg is stationary and has an elevating capacity of 10,000 bus. per hour. Inside the house are four legs giving a handling capacity of 60 cars per day. The three Fairbanks Hopper Scales have a capacity of 150, 250 and 250 bus. About one-half of the grain handled is thru grain.

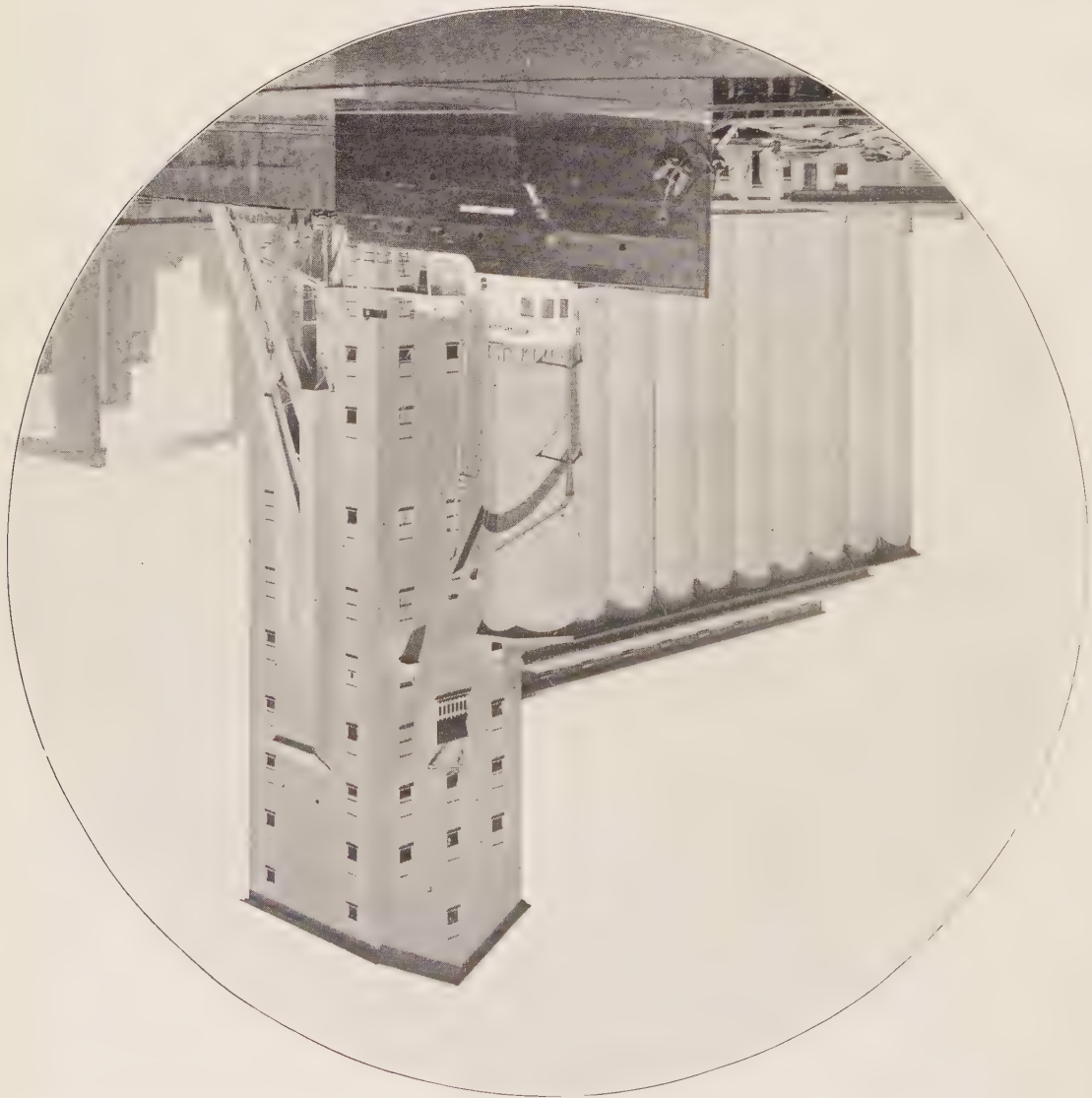




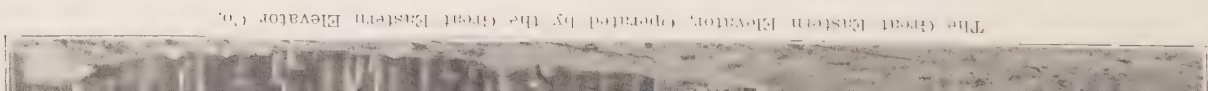
Great Eastern Elevator Co.



The Electric Elevator, Operated by Electric Grain Elevator Co.

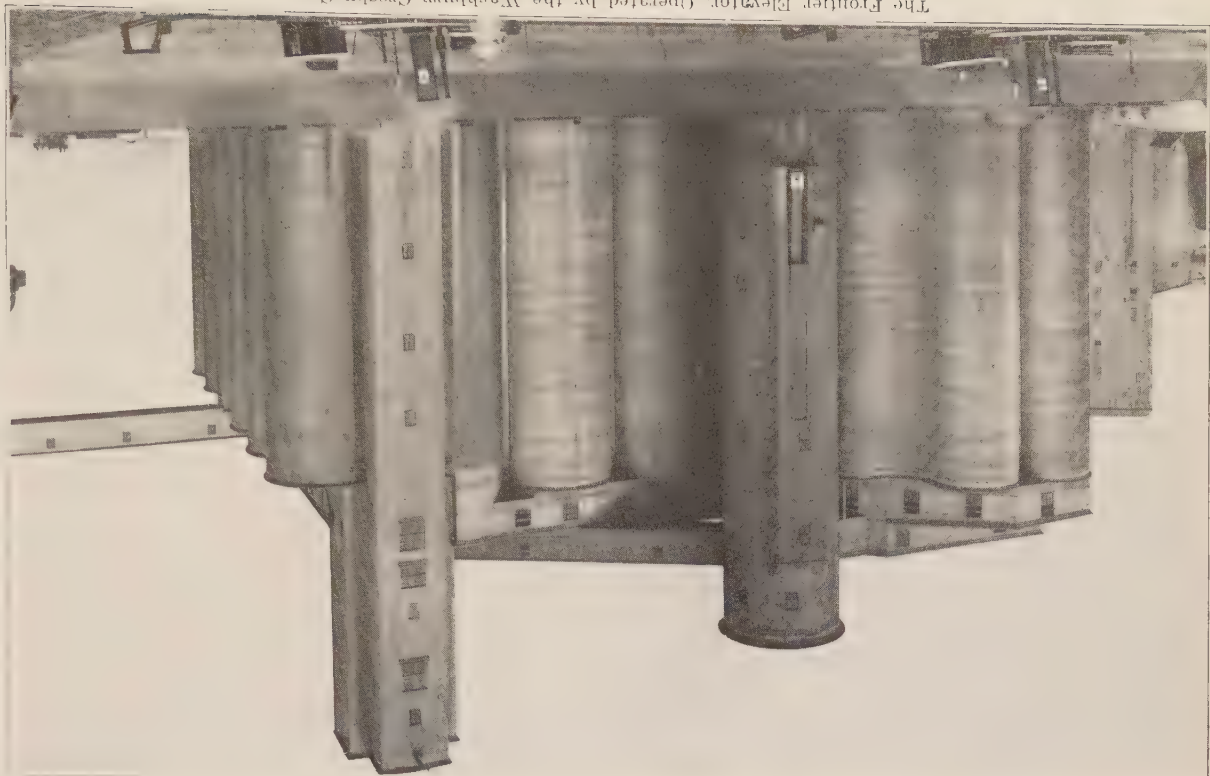


The Wheeler Elevator, Operated by Wheeler Elevator Co.

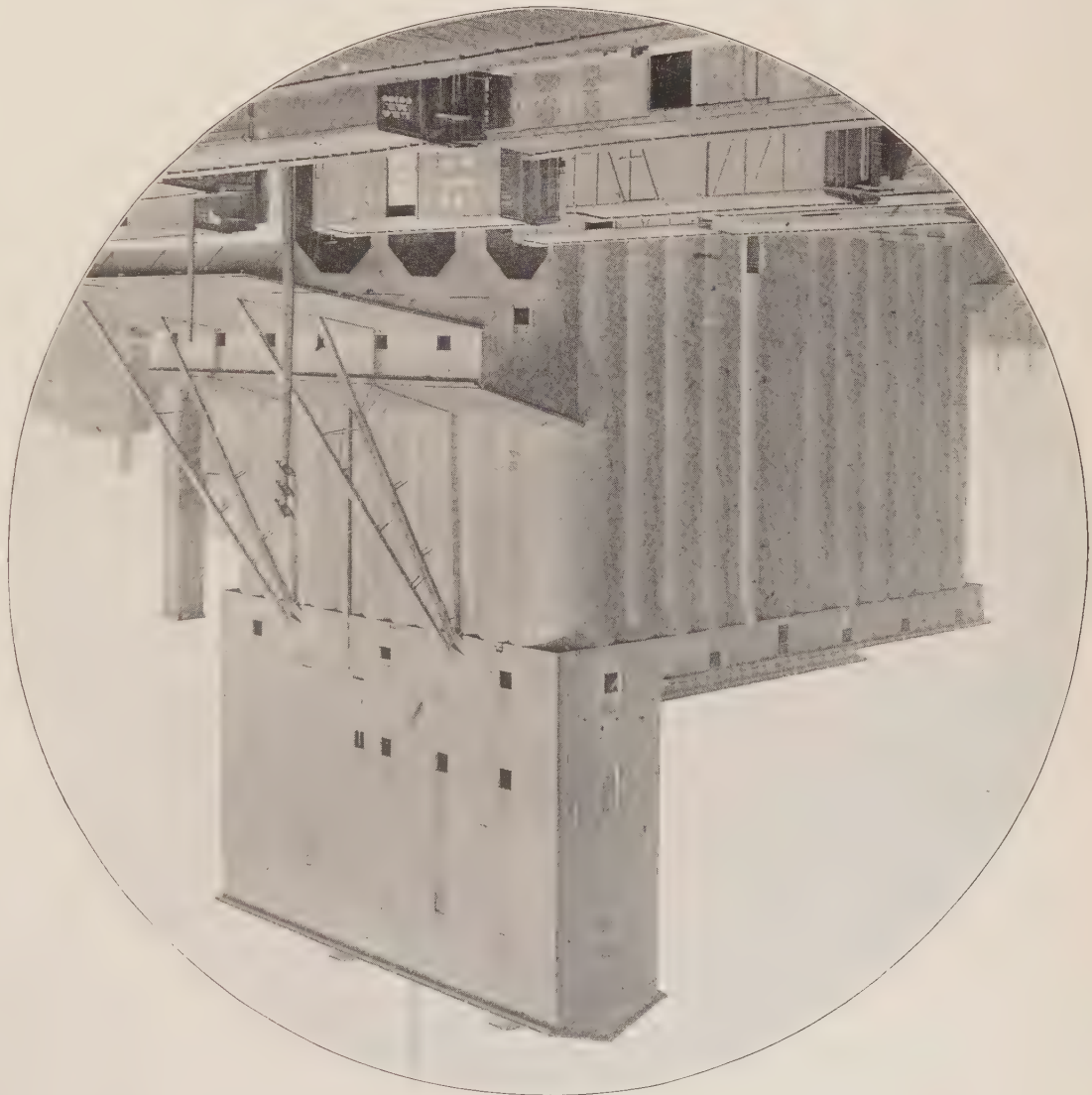


The Great Eastern Elevator, Operated by the Great Eastern Elevator Co.

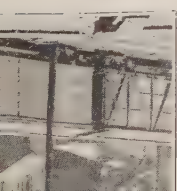
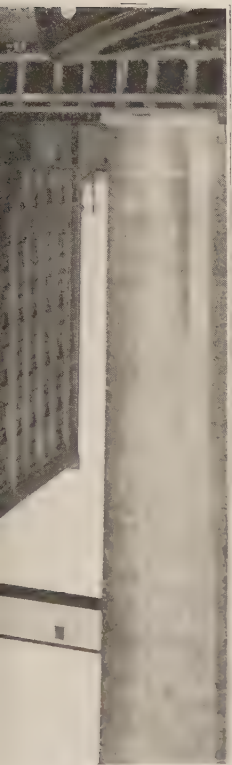




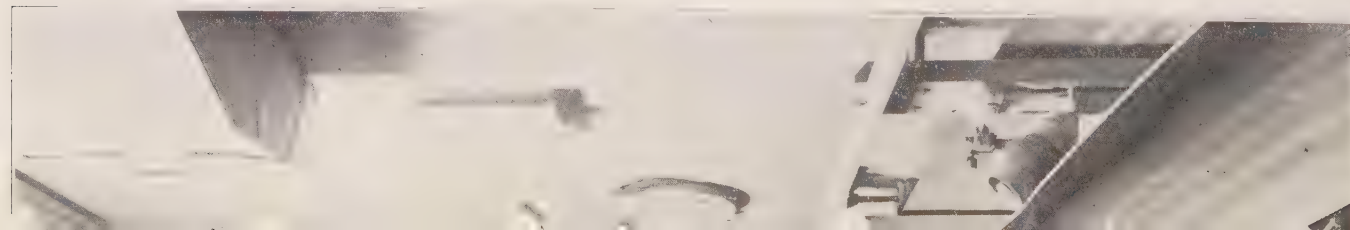
The Iron Elevator, Operated by the Eastern Grain, Mill & Elevator Corporation.



The Export Elevator, Operated by the Export Elevator Co.







Distributing Floor of the Superior Elevator, at Buffalo, N. Y.

spouting into storage bins of the main elevator. The machine is the No. 8 Drier into boats or 300 cars per day of 10 hours. The clipper will handle 3,600 bus., the cleaners 10,000 bus., and the bleacher 1,000 bus. per hour. The Monarch Engineering Co. designed and erected the house. It is operated under the name Superior Elevator Co.

No combustible material has been used in the construction of any part of the elevator, both Pratt & Company, the owners, and the Monarch Engineering Company being staunch believers in fireproof construction.

The entire Superior plant, both inside and out, is very impressive. The first thought which occurs to the observer is that no expense was spared in construction, and the elevator is not only a credit to its owners, but to the port of Buffalo. The first grain was elevated November 9 of last year and during the first three weeks the house was in operation it received over 2,000,000 bushels of grain, since the day the plant was thrown open it has been operated continuously.

THE DRYER, in a separate fireproof building, takes the grain direct from the receiving scales or from the elevator leg. An outside elevator leg elevates the dried grain for delivery by

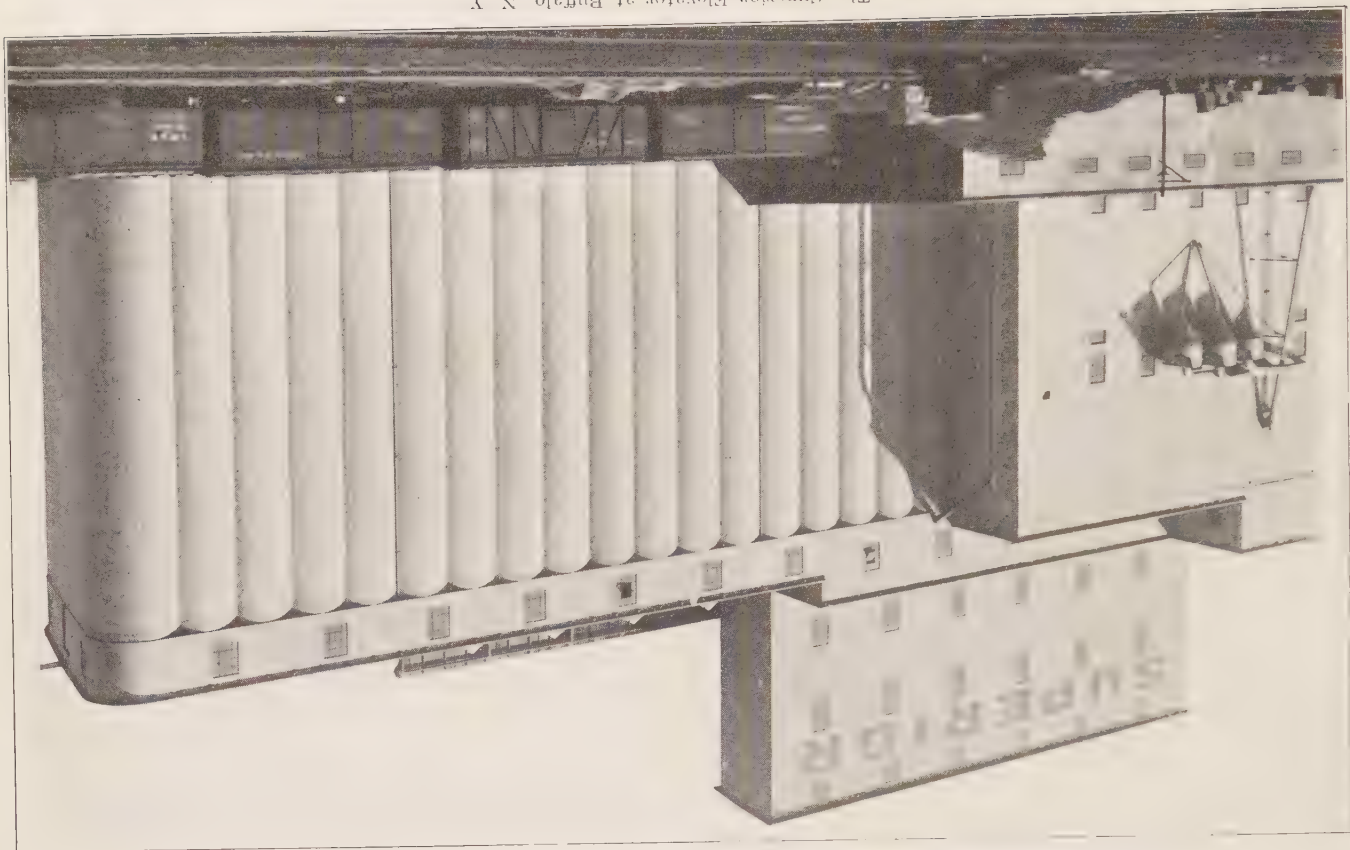
both main elevator and cleaning house. The fireproof stair tower serves as a continuous belt passenger lift elevator. Chemical fire extinguishers are placed at every convenient point to advantage.

A Day Sweeper System collects all dust from machines in cleaning department. The cleaner house is separated from the main building by an 8-inch concrete fire wall. The fireproof stair tower serves as a continuous belt passenger lift elevator. Chemical fire extinguishers are placed at every convenient point to advantage. The entire Superior plant, both inside and out, is very impressive. The first thought which occurs to the observer is that no expense was spared in construction, and the elevator is not only a credit to its owners, but to the port of Buffalo. The first grain was elevated November 9 of last year and during the first three weeks the house was in operation it received over 2,000,000 bushels of grain, since the day the plant was thrown open it has been operated continuously.

Above the bins the elevator walls are of structural steel with a two-inch coating of plaster. Manholes and inlets to bins in floor of bin story rise 3 inches above the floor preventing water from draining into bins. Access to bins is by hoist and tackle instead of ladders. All girts to which metal lath are attached in the cupola are vertical so as to prevent lodging of dust. The 4 reversible move-

cars and any one of which can be used for shipping. Grain from any bin can be brought direct either by spout or belt conveyor to any one of the elevator legs, and the arrangement is such that nearly half of the bins can be emptied and filled by direct spout without the use of conveyors. The elevator legs are arranged lengthwise with the house on the center line. After-bins are arranged so that the hopper to boot is filled, the feed being controlled by gate on leg so that practically no dust arises when drawing from bins direct to the distributing spouts under scale the grain from any leg can be distributed by direct spout into 30 different bins. The main house contains 42 circular bins, which, with the interstices and outer spaces give the house a total of 98 bins with 1,500,000 bus. capacity.

The Superior Elevator at Buffalo, N. Y.





# The New Superior Elevator at Buffalo, N. Y.

In location, shipping facilities, design and construction the new elevator of Pratt & Co., at Buffalo, reflects their long experience in the grain trade and merits the name "Superior."

On a broad sweep of the Buffalo River, with no other buildings near, the lay of the ground offered no handicaps to the designer. Space was ample to provide 4 parallel tracks for the elevator from the Buffalo Creek railroad, traffic on which is not congested at this point.

The Superior Elevator comprises a reinforced concrete bin structure, cupola, cleaner house, marine tower, Hess Drier, a modern bleacher, track shed, boiler room and office.

Hardwood piles were driven to bed rock for the foundation, the concrete extending one foot under low water level. Instead of running the bins down to the ground a working story 15 ft. high is provided at the ground level. All the bins are overhead, making it an up house, as are other new elevators at Buffalo, forming a reversion to the advantages of the old wooden elevators. This height of understory gives a long range to spouting and gives plenty of light and ventilation. Six hundred gallons of Bay State Brick and Cement Coating were used on the building. In the main house are six elevator legs, three of which receive from

able trippers run on a track 12 inches above the floor so dust and dirt can be easily removed

THE CLEANER HOUSE is of reinforced concrete and comprises 6 bins over cleaners, cleaner floor, distributing floor under cleaners, 6 bins for grain, one screening bin under distributing floor, and bagging floor under lower bins, being so arranged that after being cleaned grain can be sacked and loaded into cars or spouted back to main house to be loaded in bulk. After passing through the cleaners the grain can be re-elevated by a short leg and put into storage bins or it can be brought into the lower tier of bins under the cleaners. Two Monitor Oat Clippers and 2 receiving separators have been installed and space is reserved for additional cleaning machinery if required. The bagging room is equipped with Richardson Automatic Scales.

THE MARINE TOWER travels along the dock on 20 pairs of car wheels and is built of structural steel with concrete floors and covered with galvanized corrugated ingot iron, a grade of iron which by reason of its purity is almost non rusting. It is a complete elevator unit in itself. It elevates grain from boats, weighs, re-elevates in loftier leg and spouts direct to bins or conveyor.

and Cooler and has a capacity of 35,000 bushels in 24 hours. The building in which it is located is annexed to the elevator and is 29 feet wide, 32 feet deep and 60 feet high. Above the drier are storage bins of 4,000 bushels' capacity for damp grain. The whole housing is of reinforced concrete, while the machine itself is of galvanized metal. Double heating chambers are provided applying air on both sides of the grain and it may be so regulated that the machine will temper and condition grain which is slightly warm or the wettest and mushiest of salvage may be dried, thus illustrating the adaptability of the drier to various conditions.

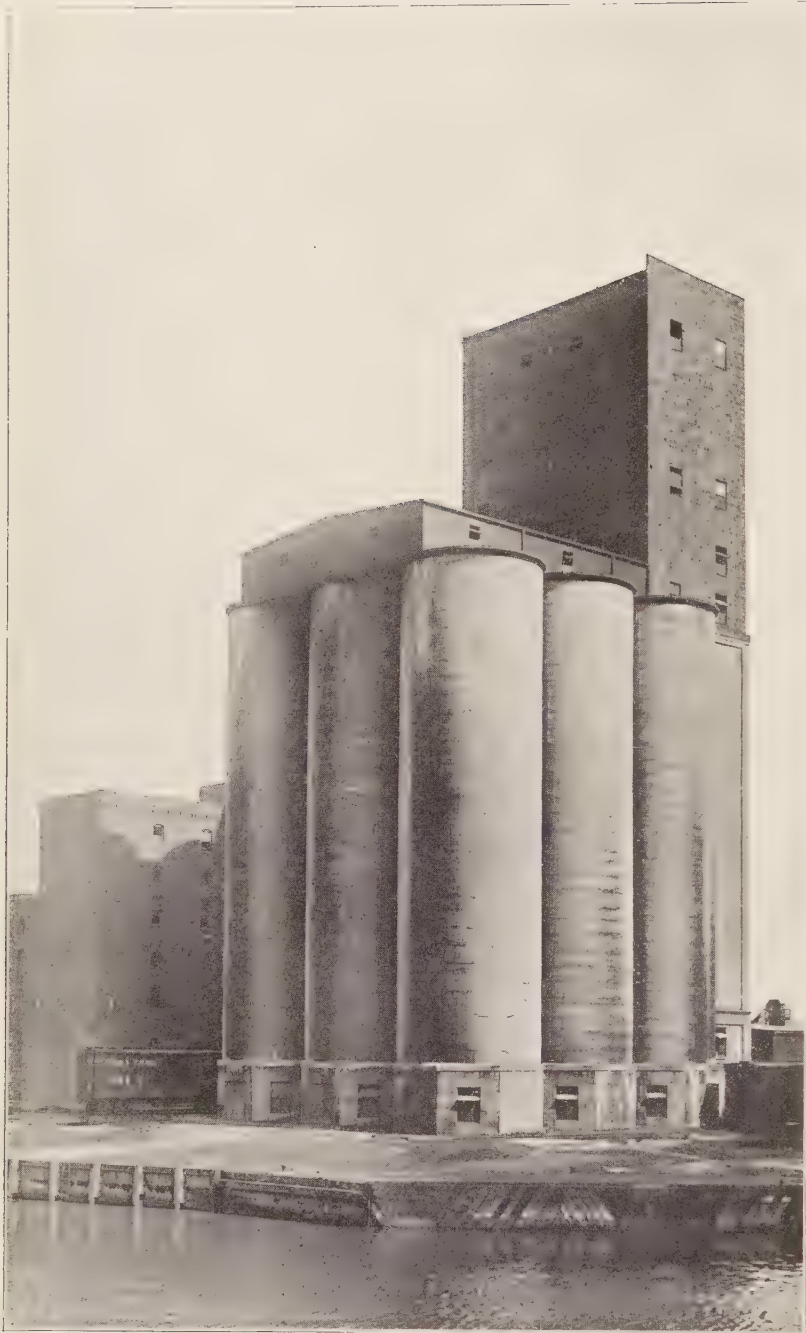
Signals and pneumatic tubes are supplemented by an intercommunicating telephone system. The weighers in the cupola are notified by a system of colored lights devised by Superintendent Ed Hull of the beginning and completing of unloading cars into the receiving sinks below.

Electric power is used thruout the wires being safely housed in conduits, and the motors are of the General Electric make. Lighting is by electricity.

The house will unload boats at the rate of 25,000 bus. per hour, cars at the rate of 100 per 10 hours. Shipping can be done at the rate of 25,000 bus. per hour



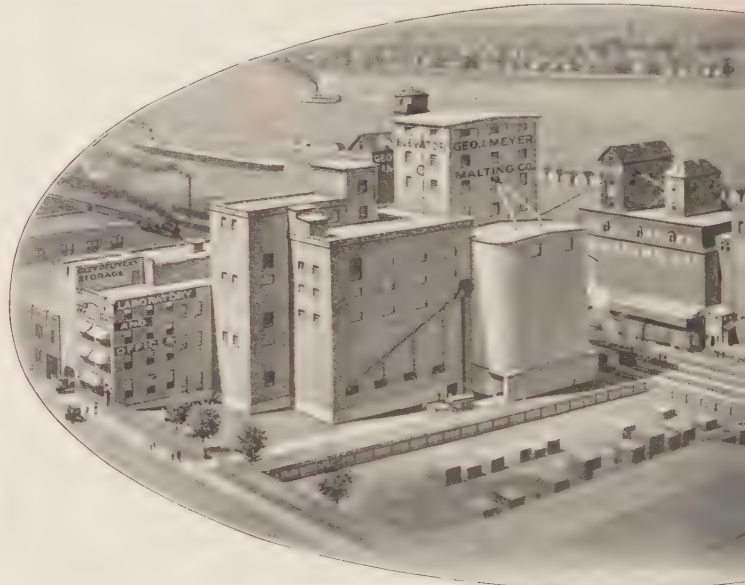




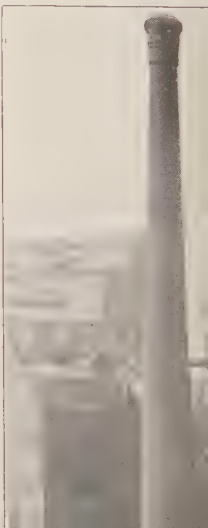
The Perot Elevator, Operated by the Francis Perot's Sons Malting Co.



The Riverside Branch of the Fleischmann Malting Co.



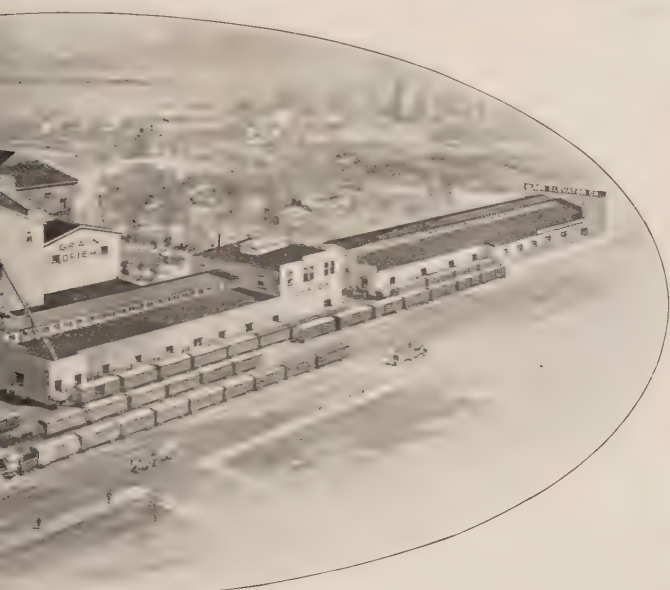
The Elevator and Malt Plant of the Geo. J. Meyer







is Branch of the Fleischmann Malting Co.



operated by the Globe Elevator Co.



The Ralston Purina Elevator, Operated by the Ralston Purina Co.

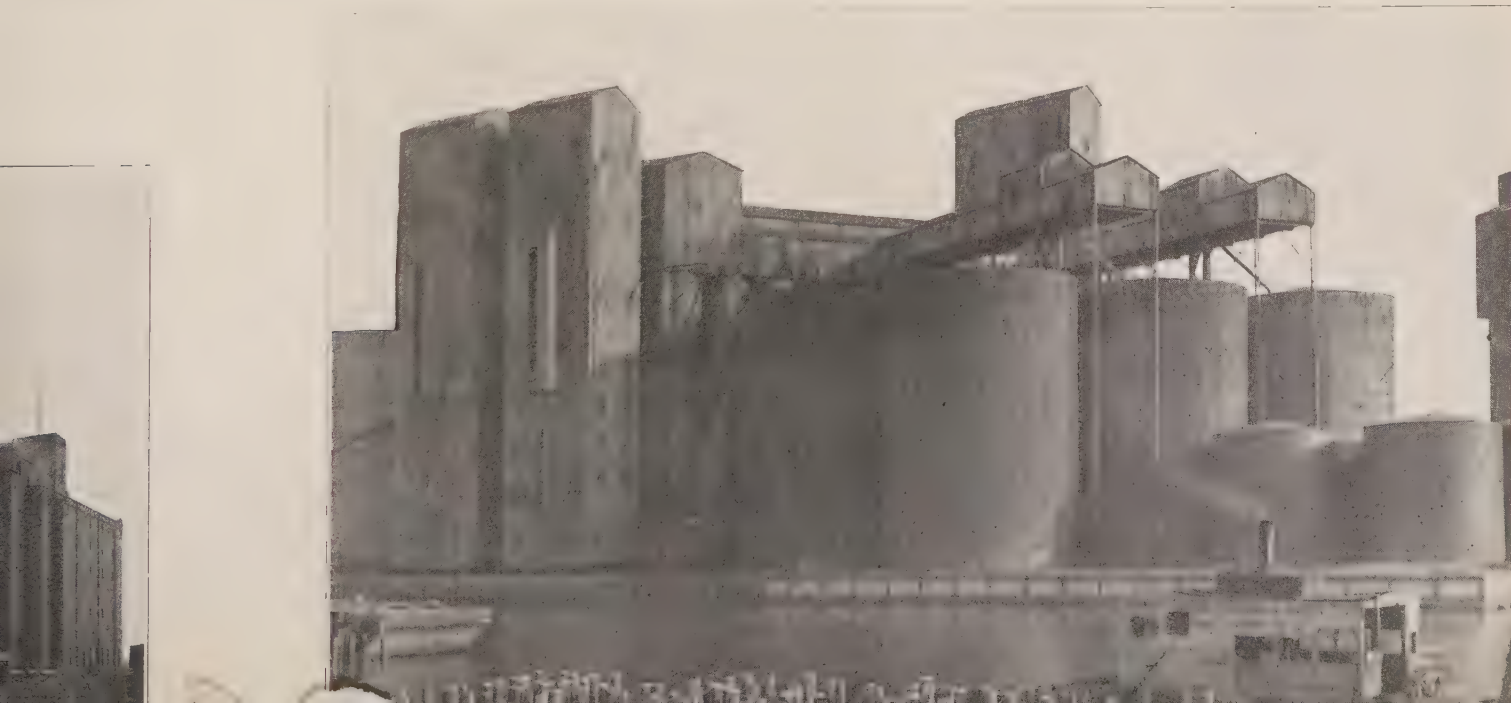






Diagram of Buffalo's Waterfront. Circles About Heavy Black Dots Indicate Location of Elevators.

During the crop year, 1913-14 over 200,000,000 bushels of grain were put thru Buffalo's 30 large elevators. This is an increase of 400 per cent over the volume handled in 1870, when the port was just beginning to carve for itself a name as one of the world's greatest grain handling centers. The remarkable strides of the business between that time and the present are due to the Great Lakes, the railroads, the port's wonderful system of canals and the Buffalo River. These superior transportation facilities have made Buffalo the big receiving and distributing point for the eastern and central states.

Since the opening of the Erie Canal in 1834 Buffalo has been more or less of an accumulation point for grain from the central states, but with the throwing open of the vast western areas to the raising of grain the city's rise to prominence as a grain handling port was rapid.

Prior to 1870 wheat, corn and barley were brot in largely by sailing craft of small capacity. In 1860 receipts were less than a half million bushels. In 1871 the sailing craft John M. Hutchinson carried in 67,000 bushels of corn in one cargo, the largest ever brot to the port up to that time, but the life of the new record was of short duration. As soon as the west and northwest began pouring its surplus of grain eastward the cargo records were broken regularly, sometimes daily.

During recent years a single vessel has often contained as much grain as the receipts for an entire year prior to 1860. The arrival of 435,000 bushels of corn or 629,000 bushels of oats in the hold of a steamer is now the occasion for very little comment, as the occurrence is no longer extraordinary.

The railroads, too, have added their tonnage within the last score of years, especially from the states south and west of the port, and 50,000,000 bushels of last year's total receipts are attributed to the rail carriers. Among these roads are the Buffalo & Susquehanna, B. R. & P., D. L. & W., Erie, Grand Trunk, International, N. Y. C. & H. R., and the Erie Ry.

natural transferring place of many other lines of business than grain and its by-products. Iron ore coming down from the Head of the Lakes in the big freighters is exchanged for cargoes of coal or the finished steel manufactured in the city's four large steel mills. But every city and especially a port, is confronted with some drawback and Buffalo is no exception. It is burdened at present with an unreasonable freight rate on ex-lake grain. When this is reduced, however, the position of Buffalo as a distributing point for grain and its by-products will be even stronger than at present.

Prior to 1870 only one of the elevators was of fireproof construction. That was the old Plimpton house, built of brick and iron, and was long ago torn down as antiquated. The above list of elevators, with their tremendous storage capacities and rapid handling facilities, is familiar in a general way to the grain trade, but very few know the details of the vast trade in which Buffalo has invested many millions.

To give a clearer view of the splendid facilities of Buffalo as a grain distributing point the following data on the individual plants is presented:

#### The Dakota Elevator.

The Dakota Elevator is operated by the Buffalo Elevating Co., with W. B. Gregory, manager, and J. E. Finley, superintendent. It is situated on the City Ship Canal not far from the harbor mouth and is served by the Buffalo Creek Railroad. The steel walls of the bin structure present an ornamental appearance with the paneled sides. The material is steel and concrete. The cupola is large, making a total height of 170 ft. The storage capacity is 1,250,000 bus.

Grain is weighed on six 30-ton Buffalo Scales. The two marine legs, which are movable, have a capacity for unloading boats of 15,000 bus. per hour each, making total capacity, including cleanups, 250,000 bus. per day of 10 hours. Inside the house are 8 legs. The daily loading capacity is 100 cars.

#### Globe Elevator.

charge. No handling of grain is done for outside parties except as an accommodation.

#### Electric Elevator.

The Electric Elevator is situated on the Buffalo River and the Buffalo Creek Railroad. H. T. Kneeland is manager and H. C. Wilson, superintendent. A working house parallels the river and the steel storage tanks extend back at a right angle 355 ft., the width of the plant being 120 ft. and the height 150 ft. The capacity, including the 24 tanks, is 2,000,000 bus.

Of the two marine legs one is stationary and the other movable. Their capacity is 12,000 bus. per hour each. Of the 5 elevator legs two are for lofting, one for the canal and two for out of store. Fairbanks and Buffalo Hopper Scales are used, the in store scales having a capacity of 200 bus., the canal scale 500 bus. and the two shipping scales 1,800 bus. each. The loading capacity is 175 cars in 10 hours.

The plant is operated by the Electric Grain Elevator Co., handling thru grain mostly. This was the first of the Buffalo elevators to be operated by electric power.

#### The Buffalo Cereal Elevator.

The Buffalo Cereal oatmeal mill, white and yellow corn goods plant, and feed mill are operated by the Buffalo Cereal Co. The elevator is of reinforced concrete construction and has a storage capacity of 125,000 bus. Adjoining it is the feed mill of 300 tons capacity per day. The warehouse is of reinforced concrete 65x200 ft., 2 stories high. The white corn goods plant has a capacity of 6,000 bus., and the oatmeal mill an output of 500 bbls. daily. All the machinery is electrically driven by power from Niagara Falls. The plant was built by the Monarch Engineering Co. and is directly on the track of N. Y. C. R. lines, west, and the Erie Ry. L. E. Harmon is president and G. F. Booth secretary and treasurer.

#### The Exchange Elevator.

The Exchange Elevator is advantageously situated right at the mouth of the Buffalo River.



## SEEDS FOR SALE—WANTED

### SEEDS WANTED.

**NEW CROP**—Wanted 2 Rye & Alfalfa seed. Quote car lots delivered with samples. J. T. Russell Co., Memphis, Tenn.

**SEED BUYERS AND SELLERS** can quickly sell any quantity or buy any amount or quality by making their wants known through the "Seeds Wanted—For Sale" columns of the Grain Dealers Journal, Chicago, Ill.

**WANT** Rye, Red Top and Timothy, also No. 2 White Oats. Send samples and price. For Sale—Potato, Onion Sets. Cohen Bros., Greenville, Ky.

### GRAIN WANTED.

**WANTED** heavy, bright Montana oats and Barley. Lewis Grain Co. Chamber of Commerce, Buffalo, N. Y.

### GRAIN FOR SALE.

**Wanted**, Buyers of white wheat to advise their wants. We can supply you. Farmers Grain Co., Denver, Colo., Railway Exch.

### WE BUY AND SELL

Wheat Screenings, Cane Seed, Salvage Wheat, Kaffir Corn. Write or wire for prices.  
**HENRY LICHTIG & CO., Kansas City, Mo.**

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And Other Field Seeds

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### SEEDS FOR SALE.

**FOR SALE**—500 bushels white rice pop corn, ear or shelled. F. H. Culbertson, Carroll, Iowa.

**FOR SALE**—Superfine tested Perennial and Italian Ryegrasses Crested Dogtail. John Lytle & Sons, Ltd., Belfast, Ireland.

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**PRAIRIE HAY**—If you want Prairie Hay, write or wire the Osage City Grain & Elevator Co., Osage City, Kas.

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**GRASS and CLOVER SEEDS**

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**The Albert Dickinson Co.**  
**Seed Merchants**

Chicago Est. 1855 Minneapolis

## Directory Grass Seed Trade

### ATCHISON, KANS.

Mangelsdorf Bros. Co., The, wholesale seeds.

### BALTIMORE, MD.

Buffington & Co., John J., whse. seed merchants.  
Scarlett & Co., Wm. G., whse. seed merchants.

### BELFAST, IRELAND.

Lytle & Sons, Ltd., John, Per. & Ital. Ryegrasses.

### BUFFALO, N. Y.

Stanford Seed Co., The, Seed Merchants.

### CHICAGO, ILL.

Dickinson Co., The, Albert, seeds.  
Illinois Seed Co., The, grass and field seeds.

### EVANSVILLE, IND.

Small & Co., W. H., seeds, grain and hay.

### INDIANAPOLIS, IND.

Indiana Seed Co., The, Seed Dealers.

### KANSAS CITY, MO.

Missouri Seed Co., who. exp. and imp.  
Peppard Seed Co., J. G., grass and fld. seeds.  
Rudy-Patrick Seed Co., wholesale seeds.

### LONDON, ENGLAND.

LeMay & Co., C. W., w'sale, exp. & imp. fld sds.

### LOUISVILLE, KY.

Lewis & Chambers, field seeds.  
Louisville Seed Co., clover and grasses.  
Ross Seed Co., field seeds, exporters.

### MILWAUKEE, WIS.

Courteen Seed Co., field seeds.

### NEW YORK, N. Y.

Nungesser-Dickinson Seed Co., who., exp. & imp.  
Radwaner, I. L., field & grass seeds, exp., imprts.

### PHILADELPHIA, PA.

Philadelphia Seed Co., Inc., The, whse. field sds.

### ST. JOSEPH, MO.

Mitchellhill Bros., grass and field seeds.

### TOLEDO, OHIO.

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### CRIMSON CLOVER

**I. L. RADWANER**

NEW YORK

### The Toledo Field Seed Co.

**Clover and Timothy Seed**

Consignments solicited. Send us your samples.

**Toledo, Ohio**

### THE STANFORD SEED CO.

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**WE BUY  
TIMOTHY—CLOVER—ALSIKE**

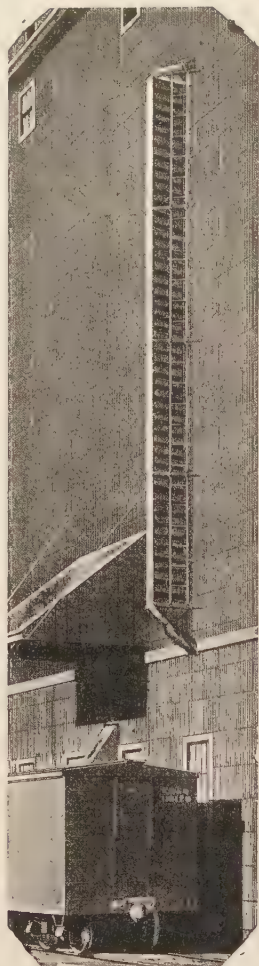
Why not try the Buffalo Market?

### Clover Seed Active

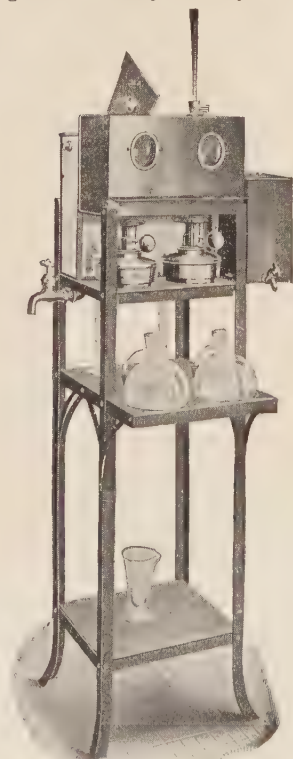
With approach of critical crop making season, clover seed futures are increasingly active. Prices latter part of season generally cover wide range. Toledo is center of clover trading. Our facilities are complete. Inquiries and orders receive immediate attention. Daily letter with latest news views on request.

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THE OUT-DOOR CONDITIONER  
Sun and wind improve the grain immensely at no expense.



THE BROWN-DUVEL MOISTURE TESTER  
Copper or glass flasks—for gasoline, gas, alcohol or electricity.

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is made merchantable, at slight expense, and at a good profit, by

## HESS DRIERS

and

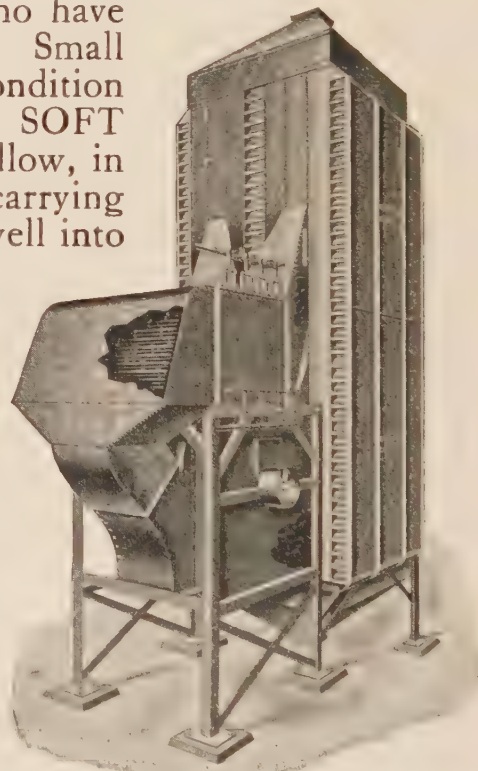
## Hess Out-Door Grain Conditioners

There were never such quantities of out-of-condition grain to be handled;—never such prospects for profits in drying;—never such losses to those who have no HESS DRIERS. Small grains are in bad condition now; IMMATURE, SOFT CORN is sure to follow, in vast quantities, thus carrying the drying operations well into 1916.

## MOISTURE TESTERS

with copper or glass flasks (Brown-Duvel) are a necessity in buying and selling grain. We have them for gas, gasoline, alcohol or electricity.

*Wire, write, telephone.*  
*HESS SERVICE is the*  
*quickest thing you know.*



THE HESS DRIER AND COOLER  
A carload a day. Price \$900. F. O. B. Chicago.

## Hess Warming & Ventilating Co.

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CHICAGO



## GRAIN DEALERS JOURNAL

[Incorporated]

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Charles S. Clark, Manager.

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## THE ADVERTISING

value of The Grain Dealers Journal as a medium for reaching progressive grain dealers and elevator men is unquestioned. The character and number of advertisements in its columns tell of its worth. If you would be classed with the leading firms catering to the grain trade, place your announcements in the Journal.

Advertisements of meritorious grain elevator machinery and supplies and of responsible firms who seek to serve grain dealers are solicited.

## LETTERS

on subjects of interest to those engaged in the grain trade, news items, reports on crops, new grain firms, new grain elevators, contemplated improvements, grain receipts, shipments, and cars leaking grain in transit, are always welcome.

Entered at the Chicago, Ill., Post Office as Second-Class Matter Aug. 5, 1898.

CHICAGO, AUGUST 25, 1915

THE DARDANELLES are not yet opened, and that promised flood of Russian wheat is still a myth.

THE CANCELLATION of export sales of wheat seems to have been due to the inability of the sellers to make delivery within the contract time, rather than to foreign buyers conviction that wheat could be got elsewhere at less money.

BARLEY samples arriving at the different terminal markets show that the new crop is in poor shape to handle. As the buyers are backing away from the offerings the country dealer must protect himself from loss by discounting heavily all low grade grain.

BUYING WHEAT from a farmer tenant when the grain really belonged to the land owner has placed a western elevator operator in a position where he stands to lose many hundreds of dollars. Being a renter, or as he is sometimes called a floater, does not establish a man as a crook any more than being a land owner would establish his honesty, but as a victimized grain dealer has little chance of collecting from irresponsible tenants he would do well to adopt the "safety-first" method of finding out who owns the grain. No community has so many renters but what each grain dealer interested can find out very quickly who is or is not authorized to sell grain.

SHIPPERS WHO expect to realize a profit on their shipments of small grain this year must grade carefully and closely, and discount it according to its quality.

LIGHTNING is reaping a rich harvest of grain elevators thruout the country this year regardless of the timely warnings of insurance companies and others. No elevator is immune from this hazard which is not equipped with a modern system of lightning rods or iron covered from cupola into the ground.

THE MACHINERY of an idle Minnesota elevator has been stripped of all its brass fittings by thieves whose depredations will net them about \$100, again illustrating the folly of shutting the plant for the season without securely bolting the doors and boarding the windows. The operator in the present instance should consider himself fortunate—the wonder is that the marauders did not burn his plant.

MISCHIEVOUS shooting of corn kernels has been ordered discontinued on the floor of the St. Louis Exchange, one of the members receiving a painful injury to his left eye, for a time threatening his sight. The playful throwing of grain has always been innocently indulged in on the floor of every Exchange, but those doing the throwing would find more pleasure and less hazard in feeding the sharp pointed little kernels to the pigeons after hours.

THE TRANSFER of a carload of grain by railroad section hands, and the loss of a quarter carload of wheat is the interesting news supplied by the Leaking Cars Dep't of this number. This is an exceptional instance, it is true, but nevertheless the dealer reporting the loss has made a friend for life of the operator owning the grain. Many of the cars in service are unfit for grain; one of them may pass your station at any time—keep an eye open for it and report to our Leaking in Transit Department.

THE POSTOFFICE department seems to be possessed of an insatiable desire to do everything for everybody. Not only is it set upon crowding the express companies off the earth, but also the telegraph and telephone companies and the savings banks. The department has now undertaken a campaign of agitation, in the hope of having the \$500 limit on postal savings deposits made by one individual removed. It has long been recognized that any service rendered by the government costs eight to ten times what better service performed by a private corporation would cost, but that does not deter the politicians from demanding that the government be authorized to render all the services desired by man. The conceit of the average politician, who has been a failure in every business enterprise ever undertaken, seems to have no limitation.

TELEPHONE CONTRACTS for large quantities of grain seem to be binding in Texas, altho the laws of most of the other states deny verbal contracts involving amounts in excess of \$50 to \$200 have any standing in the courts. The Texas decision, published elsewhere in this number, cannot be accepted as a guide to dealers doing business in states having such laws. In the majority of states verbal contracts have standing only when confirmed in writing, or when some money or part of the property has been delivered to the other party to the contract.

THE UNRELIABILITY of scoopers has again been called to the attention of Illinois farmers by the sudden disappearance of a scooper to whom they had sold and delivered considerable grain, without collecting for it. It is always safer to do business with a man who has money invested in permanent facilities for doing business. He has more at stake and more to lose by ignoring the interests of his customers. So many farmers have suffered heavy losses through striving to save a fraction of a cent on each bushel, it would seem time they were learning the wisdom of confining their sales of grain to established dealers of recognized responsibility.

THE EFFORTS of the organized exchanges to free their memberships of men guilty of uncommercial conduct is most commendable and worthy of far more recognition from the outside trade than is generally given. No exchange can afford to tolerate dishonesty or dishonorable conduct on the part of its members in their dealings with other members or outside dealers. The more rigidly the rules of any exchange are enforced against unfairness the more willing the outside shipper and buyer will be to confine his dealings in the organized market to members of the exchange, and hence the more valuable should be membership in the exchange.

SHIPPERS on Chinese railroads are assessed a "likin" tax at a dozen points before reaching destination, and wise shippers have found it necessary to send a man along to see that the entire shipment is not stolen piecemeal en route. In the United States some railroad claim agents are seeking to establish the same irresponsible method of doing business, as in the case of one shipper at South Whitley, Ind., writing in "Asked & Answered" column, this number. Four tons of wheat was lost out of a car on the short trip to Chicago and when the shipper made claim the claim agent with a smile that was childlike and bland informed him the claim could not be considered because there was "no apparent loss" in transit. To remedy this situation the grain dealer needs his own "shipper's weight certificate."



THE IOWA elevator manager who told his farmer patron to haul his wheat back home because it was unfit to ship showed a moral courage that could well be emulated by other buyers.

FEW COUNTRY dealers who sold new oats for July, or even for August, delivery would hesitate now to sign a written agreement never to do so again. The number of heavy losses suffered by shippers who have been unable to obtain oats to fulfill their contracts would seem to be sufficient to discourage them from ever again contracting oats for early delivery. The oats of many sections will never be cut, and some sections where they were cut, they are now so badly sprouted and stained there is little hope of their being admitted to the contract grade anywhere. Oats shippers have similar experiences so frequently, the wonder is they ever dare to sell new oats for delivery earlier than the first of September.

CARELESSNESS in starting an engine was reported as the cause of a serious accident in the last number of the Journal and in this number is held responsible for a death. The Grim Reaper laughs when he sees the novice or the careless experienced man take a firm grip on a fly wheel spoke, or use his foot in giving it the starting revolution. The engine is as essential to the grain elevator as its storage bins and if ordinary precaution is used in starting, and a steel guard rail kept in position during the day, it is the most obedient and harmless of servants. The spokes are not to be utilized for starting purposes. If a crank is not provided use the rim, but hold it in such a way that it is released simultaneously with the first explosion.

OHIO FEEDSTUFFS manufacturers succeeded in knocking out the old law requiring a registration of each brand at \$25 per year, but the politicians have come back with a new law assessing manufacturers \$20 for each brand. When the consumers awaken to the fact that eventually they must pay all of these license fees they may decide that the service rendered by the state is not of sufficient value to perpetuate the tax. In all services rendered by the state the politicians can not resist the temptation to charge all the traffic will stand so that more places can be provided for the faithful party workers. Enforcing laws thru the means of registration and inspection fees places the punishment for the law's violation on the very people it is supposed to protect, that is the consumer. In the olden day it was sufficient to provide a fine and imprisonment for the punishment of manufacturers who misbranded or adulterated their products, but such laws gave employment only to the prosecuting attorney.

THE WIDELY varying quality and condition of new grain supports the view that shippers who consign on this crop to live commission merchants, will realize more from their shipments, just as they did last year. However, it will require closer discrimination and more careful classification to handle the present crop profitably, and the man without plenty of bins or facilities for rapidly bringing his receipts up to uniform quality, will find himself greatly handicapped.

FREE STORAGE of farmers grain has resulted in so many Montana farmers speculating in grain, at the expense of the local elevator man, that the Northwestern Grain Dealers Ass'n is making a determined stand against the continuation of this practice. Elevator men in all parts of the country who have condescended to give up valuable bin room needed for the promotion of their business to farmers who wish to speculate, fail to find any permanent profit in the practice, and whenever the market has advanced have found it necessary to pay more for the grain in store than they would be asked to pay for the same grain if the farmer had it at home in his own barn. When the grain is already in the elevator, the farmer looks with suspicion upon every bid tendered him. The discontinuance of all storage of grain in country elevators would be a blessing for the grower as well as for the elevator operator. When the grain passes over the elevator man's scales it should be his, if he is to handle it economically and profitably.

FORGED Bs/L have not been used as a means of separating grain receivers from their money for some time, but the sharpers have not forgotten the ease with which such paper can be marketed. J. N. Richardson recently disposed of one of these Bs/L to the Hunter Mfg. Co., of Wellington, Kans., and obtained \$325 in advance of the arrival of a car said to be loaded with 900 bus. of wheat. The grain trade will be imposed upon by forged Bs/L until the railroads are induced to issue S/O Bs/L only in exchange for the commodity it represents, and after it has been signed and dated with the station stamp. Such Bs/L should also be numbered serially by each station issuing them, and a statement of full particulars sent to station agent at destination date of issue. In other words, the railroads should be required to adopt ordinary means for protecting the general public from being imposed upon by swindlers, who never hesitate to forge Bs/L. The volume and importance of the grain trade justify the trade's insisting upon the needed protection being granted to S/O Bs/L.

## Why Freight Rates Should Not Be Increased.

The larger the earnings of any corporation, the more eager are the looters to get control of it. The Interstate Commerce Commission handed down a report last week, in its investigation of the management of the Rock Island Railway Company, covering the period of years from 1901, to June, 1915, that is in reality a serious indictment of the Moore-Reid Syndicate, which has been charged with plundering the road, and throwing it into receivership for its own purposes.

The Commission reports that when the Syndicate obtained control of the road, its stock was selling for \$200 a share, but when the investigation of its affairs closed, the stock was selling at less than \$20 a share. The Commission also found that through the actual mismanagement of the property, and aside from the stock market manipulations of the members of the Syndicate, the Rock Island lost more than \$20,000,000 in actual cash, part of which was paid as "gratuities" to officers of the road in addition to the exorbitant salaries they were drawing. During the period the capitalization of the road was increased from \$50,000,000 to more than \$300,000,000. The Syndicate obtained control of the Rock Island through the organization of two holding companies, neither of which held any of the assets of the road, except as they obtained them direct from the railway company, and both of these organizations bled the railway company to its death.

The Commission found that the gross earnings of the railway company had increased steadily, yet notwithstanding this fact, the road is now in almost helpless condition, as the result of gross mismanagement and looting. The directors of the company are charged with making it a practice to misrepresent the road's assets to the stockholders.

In addition to the foregoing facts regarding the mismanagement of the Rock Island, the Interstate Commerce Commission holds that its present condition in the hands of a receiver is attributable solely to the determination of the members of the Syndicate to wreck it. With such a record how can the officers of the road have the cheek to apply anywhere for advanced rates on any commodity? The Rock Island record seems to be rottener than even the New Haven & Hartford R. R., or the C. & A. It seems time that some steps were taken to prevent unprincipled schemers from looting the owners of railroad stocks and securities and then begging the privilege to loot the shippers through advances in freight rates.



## Letters

[Here is the grain dealers' forum for the discussion of grain trade problems, practices and needed reforms. When you have anything to say of interest to members of the grain trade, send it to the Journal for publication. It may draw out the views of others.]

### Let Us Have Peace.

*Grain Dealers Journal:* I heartily agree with Traveler in the Aug. 10th number of the Journal, page 191, regarding cut-throat competition and wild buying, and echo "Let Us Have Peace."—H. Boomgaarden, Gronna, N. D.

### Should Receive Pay for Coopering Cars.

*Grain Dealers Journal:* The railroads have been trying for the past few years to have the cars already coopered before placing them at the shipper's elevator for loading, but it often happens that the shipper must again give the car his attention and remedy a defect that had been overlooked at the coopering station.

By so doing the shipper confers a favor on the railroad company, saving the haul to the coopering station and back to the elevator, and gets the car himself for immediate loading.

As it is the legal duty of the railroad company to do the coopering the railroad should pay for this work even when done on a car that the carrier already had made

a pretence of putting into condition. For this work the shippers do not ask a profit, but only the actual cost of the time, labor and material, and in all good conscience they are entitled to this, since the work is done for the benefit of the railroad.

The compensation should certainly include the cost of lumber, nails, paper and cloth, leaving the shipper no expense but the tariff rate of freight.—Jno. R. Michaels.

### Collecting Claims for Loss in Transit.

*Grain Dealers Journal:* As many cars originating in Kansas and Nebraska are unloaded at interior points, where little attention is paid to the physical condition of cars upon arrival and even where the destination is at some point where the different Boards of Trade maintain departments, we have reasons to believe that many cars are repaired in transit by country shippers and train crews of which no record is kept and if kept is not available to the shipper.

Practically every freight claim agent in western territory is now refusing to consider claims for loss in transit, unless papers in support of claim are accompanied by leak report.

I therefore would suggest that the shipper make a cut-off in his house at least once a month, and if this can be done every two weeks, it would be better, and check in, or wagon weights, against out weights. This should be done in order to satisfy himself that he has loaded out the amount of grain claimed, and this record will enable him to place in the hands of the claim agent, positive evidence that loss occurred while cars were in their possession. With such evidence in his

possession, the shipper can usually secure settlement without litigation.—E. J. Smiley, Topeka, Kan.

### A Correction.

*Grain Dealers Journal:* We note from your issue of August 10th that the Postal Telegraph Co. has been sued by the Shawnee Milling Co. of Shawnee, Okla., for an alleged error in transmitting a message and changing the code word "fluting" to "flirting."

As we would not want the trade to get the idea that we were in any way familiar with the last named word, and as we consider this quite a reflection on our penmanship, we hasten to correct your error. This was not the Shawnee Milling Co. of Shawnee, Okla., who filed the suit, but we understand that it was the company of the same name of Topeka, Kans.—Yours very truly, Shawnee Milling Co., E. V. Mashburn, Mgr. Grain Dept., Shawnee, Okla.

## Leaking in Transit

Grain dealers can help brother sufferers in the collection of claims for loss by reporting to Grain Dealers Journal, Chicago, for free publication, the initials, number, place, date and condition of cars seen leaking grain in transit.

Recently we have received reports of the following leaking or bad order cars:

N. Y. C. 89483 passed thru Lanesville, Ill., Aug. 19, leaking grain badly at grain door.—Metcalfe & Kinahan.

Wabash 67517 passed thru Liberty Center, O., Aug. 19, eastbound, leaking No. 2 red wheat badly at side.—O. J. Fredrick, engineer, Liberty Center Grain & Stock Co.

C. & O. 2601 passed thru Union City, Ind., Aug. 14, via C. C. C. & St. L. R. R., leaking wheat badly on side of car at 2 places, also Big Four 6704 leaking wheat badly at doorpost.—Pierce Elvtr. Co.

C. & A. 16247 loaded with wheat, had drawbar and part of end pulled out near Thayer, Ill. Was transferred at Virden, Ill., Aug. 12, by section men to N. C. & St. L. 14391. Looked as if ¼ of wheat had been lost.—J. M. Bradway, mgr. Virden Grain Co.

### Galveston Elevators Running.

Galveston, Tex., Aug. 24.—[Special Telegram.]—Three elevators running. The other Thursday. Loading a ship at Elevator A. Utility of the port depends on railroad bridge, which will probably be repaired in ten days. Grain in elevators undamaged, but some damaged in cars.—R. T. Miles.

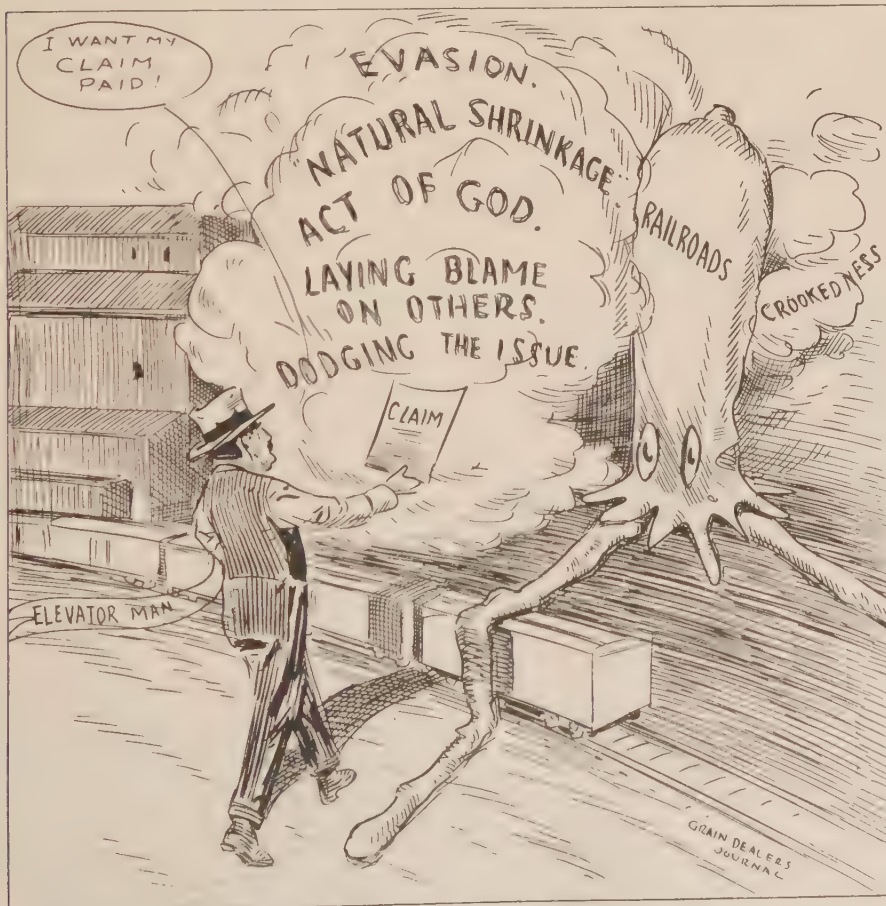
### Coming Conventions.

Sept. 4-6.—Indiana Grain Dealers' and Millers' Outing at Lake Maxinkuckee.

Sept. 15-16—Michigan Bean Jobbers Ass'n at Ann Arbor.

Oct. 11-13.—Grain Dealers National Ass'n at Peoria, Ill.

THE BRITISH GOVERNMENT is considering the adoption of important recommendations recently made to increase the yield of cereals in England, particularly wheat. One of these recommendations is believed to be the guaranteeing of prices to growers.



The Cuttle Fish of Modern Commerce.



## Asked— Answered

[Readers who fail to find information desired on any subject of interest to grain dealers should send us their query for free publication here. The experience of your brother dealers is worth consulting. Replies to queries are solicited.]

### Ripening of Corn?

*Grain Dealers Journal:* The excessive rainfall is keeping corn green. Will it ripen and fill properly without sunshine?—Frank Seibel.

**Ans.:** Given time and sufficient hot weather, corn will ripen without direct sunshine, as sufficient of the actinic rays from the sun will penetrate the clouds to develop the plant to ripeness. In its weekly weather reports, the government states that corn is making satisfactory growth, altho July was the coldest July in 30 years.

### Unable to Fill Contracts.

*Grain Dealers Journal:* It may interest you to know that many of your readers who owe central market dealers, oats for August shipment are sending their oats into other markets on consignment and are telling us that they cannot get contract oats. They make us wait and ask us to extend time of shipment. If they ship us a little stuff on contract which off grades, they raise a roar about the discount. They treat us like the farmer treats them. Is this fair? I hope some country shipper will state his attitude.—O. R. Receiver.

### Minimum Weights?

*Grain Dealers Journal:* What is the minimum pounds fixed by the Utilities Commission or the Interstate Commerce Commission for a carload of grain? Most roads say 4,000 lbs. under the marked capacity of the car.—B. F. Green, Riggs-ton, Ill.

**Ans.:** Neither the Illinois Utilities Commission nor the Interstate Commerce Commission have taken any action on the minimum weights. These are governed by the railroad tariffs, except that in its recent rate decision the Interstate Commission made a ruling on grain products. At Riggs-ton on the C., B. & Q. R. R. the tariff of that road is in effect, and it provides that the minimum carload weight for grain shall be 4,000 lbs. under the marked capacity of car, except that on oats and ear corn the minimum weight will vary with the length of the car.

### Recovery of Natural Shrinkage Deduction?

*Grain Dealers Journal:* On all of our claims filed against the Santa Fe Railroad Co. for grain moving within the state the company is taking off  $\frac{1}{4}$  of 1 per cent of the weight for natural shrinkage.

In view of the Kansas statute of 1909, Sec. 7103 providing that "if the shrinkage does not exceed  $\frac{1}{4}$  of 1 per cent the railway company shall be deemed to have delivered the whole amount in the car," how can we enforce settlement on the actual difference between loading and unloading weights?—J. W. Craig Grain Co., Wichita, Kan.

**Ans.:** Altho the lower courts might rule against the shipper suing to recover the amount deducted for shrinkage, in the Supreme Court the shipper would have a good chance of winning on two grounds, on the technicality that the law did not apply when the shortage exceeded  $\frac{1}{4}$  of one per cent, or that the law was un-

constitutional as giving the carrier an unreasonable and excessive allowance.

Forty cars with 3,000,000 lbs. wheat shipped from Minneapolis to Duluth as a test showed a difference in weight of 4,680 lbs., which may have been due to a difference in the scales. This is much less than the 7,500 lbs. that would be deducted by the Atchison, Topeka & Santa Fe Railroad in Kansas under the  $\frac{1}{4}$  of one per cent rule.

### Carrier Liable for Loss in Transit.

*Grain Dealers Journal:* We loaded a car of wheat at this point consigned to a firm at Chicago with 60,000 lbs. and when weighed over track scales at Stony Island it showed a net weight of 59,000 lbs. At the elevator where it was delivered in good condition with seals intact the contents weighed 51,530 lbs., making a shortage of 8,470 lbs. The railroad company declined the claim on the ground that there was no apparent loss in transit. Have we any legal recourse against the railroad company?—O. Gandy & Co., South Whitley, Ind.

**Ans.:** The railroad company is liable. Claim should be filed with the railroad company with proof and affidavit of weight loaded into the car, showing kind of scale, when tested, number of drafts and name of weighman. The car may have been transferred in transit. A hole may have been bored in the bottom of car and plugged up after theft of 100 bus.; but when the shipper has proved the amount he loaded the burden is on the railroad to account for the shortage.

### How to Preserve Samples from Insects?

*Grain Dealers Journal:* In our business we are compelled to keep on hand at all times a great many samples of mill feed, corn, oats, alfalfa feed, etc. We have tried many ways of keeping these samples so that they would not become weevily and deteriorate in a very short time.

Recently we have been keeping them in tightly sealed glass mason jars, but with the exception of corn and oats in whole grains the weevils are as troublesome as ever. Of course these samples are not utilized as feed and we would appreciate it if the Journal would suggest some preservative that we could use that would not injure the color of the mill feeds and yet would serve to preserve samples from weevils.—The Wil-lison-Earle Co., Clarksburg, W. Va.

**Ans.:** The most convenient way to preserve the samples is to place them in glass mason jars tightly sealed after having spread lumps of cyanide of potassium on the bottom of the jar, with a thick layer of plaster of paris cement on top of the lumps of cyanide to keep the latter from falling out when the grain is poured out. The poisonous vapor from the cyanide will penetrate the pores of the plaster and kill all insect life, if the jar is tightly sealed. Such a jar can be used for different samples an indefinite length of time. If the jar is to be handled by persons unfamiliar with its poisonous contents it would be well to substitute a small vial containing cyanide, for the cyanide covered by the plaster, as a person unwittingly placing his nose in the mouth of the jar to detect a musty odor, as is common, might get a fatal whiff of the deadly gas, which acts instantly by paralyzing the lungs. The vial left uncorked in the jar until the insects are killed could be taken out, corked, or placed in another jar. The gas could be dissipated in a moment by pouring the grain out and in again.

A tablespoonful of the liquid bisulphid of carbon poured into a quart jar will give off a vapor that will kill all insects, but unless the jar is sealed tightly the application would have to be repeated after the next lot of insect eggs had hatched. This Fuma-Bisulphid is manufactured by the Edward R. Taylor Co. especially for the destruction of weevil in elevators and mills, and can be handled with less danger to life than cyanide of potassium, but it is highly explosive when the vapor is mixed with air, and all sparks and flames must be kept away from it.

### Who Makes Round Reels for Cleaning Timothy?

*Grain Dealers Journal:* We would like very much to know where we can obtain a round reel for cleaning timothy seed.—Milwaukee Seed Co., Milwaukee, Wis.

**Ans.:** All of the old time mill furnishers have round reel patterns, which would facilitate the manufacture of a round reel, that could be clothed with wire for cleaning timothy, but it would not give the capacity of a flat screen, because only about one-fourth of the surface of a round reel is in actual use, while all of the surface of a flat screen of the shaker type of cleaner is in use all the time, if the seed is properly distributed over its surface.

### Tax on Buildings on Right of Way?

*Grain Dealers Journal:* All of our buildings are on the railroad right of way. We have two elevators, an implement store, hardware store and garage. Some of these have been built for several years. Three years ago the town began by assessing the ground on which the hardware store stands; two years ago they added the implement warehouse and last year they assessed the whole ground where all the buildings are. The railroad company pays the taxes and charges the amount to us. Can the town do this? Is not this double taxation on the ground? The railroad company of course pays taxes to the state.—J. N. Bassett, Lena, Wis.

**Ans.:** Wis. Stat. 1913, Chap. 51, covering the taxation of railroads provides, "Real estate not adjoining the tracks, stations or terminals of railroad companies, grain elevators used in transferring grain between cars and vessels, coal docks, ore docks, merchandise docks and all real estate not necessarily used in operating any railroad or street railway, are excepted from railroad and street railway property, and shall be subject to taxation in the manner such property is taxed when owned by individuals."

Under the Wisconsin law the state tax commission assesses the railroad for the property used strictly for railroad purposes, leaving property such as that used by Mr. Bassett for taxation by the local authorities. In assessing the property used by Mr. Bassett the assessment is made against the railroad solely because it holds the title, and not to make double taxation. The town can assess the store the same as if the property were owned by an individual.

### Want Plan of Oats Bleacher.

*Grain Dealers Journal:* We are thinking some of installing an oats sulphuring plant here in connection with our corn drier.

Could the Journal give us the names of any concerns that make plans for oat sulphurers, and is there any patent that would prevent us from building one ourselves?

Some two or three years ago the government got after concerns sulphuring oats and we understood at that time that it would not be allowed in the future, but it seems to be done right along.

How much moisture is it allowable to add during the process of sulphuring, without there being danger of having the grain confiscated by the government.—F. W. & Co.

**Ans.:** Several patents have been granted for oats bleachers, but the patent is upon the combination of apparatus and not upon the principle involved, so that anyone can build a bleacher, taking care not to infringe a patent by copying a design covered by patent. Plans are furnished or the complete bleacher built by the Ellis Drier Co.

The government does not prohibit bleaching, as tests made by the government show no harmful effect upon cattle eating sulfured oats; but the government requires that shipments of sulfured oats shall be invoiced for what they are. See pages 186-



187 of the Grain Dealers Journal for Aug. 10, for latest action by the government.

The government has been seizing oats containing over 14 per cent moisture. This percentage is purely arbitrary. In some years oats contain more and in some years less natural moisture. If the percentage of moisture is correctly stated in the invoice and on B/L the government would not seize the shipment for misbranding.

## Foreign Demand for Grain?

*Grain Dealers Journal:* What is the outlook for the demand from the foreign countries for grain from the United States this year? Will it be as great as last year?—J. A. Tate Co., Richmond, Va.

**Ans.:** The most reliable European authority, Geo. J. S. Broomhall, of Liverpool, states that, "As to the prospective demand, it can hardly be more than fair as long as Germany and Austria-Hungary are kept out of the market. Great Britain may need about as much as last season. If the French government should regulate the supply of the nation's bread her imports may not be more than seven or eight million quarters this season. Italy will be an active buyer again this season. Greece may also take as much as she did last year. Holland, Belgium, Scandinavia and Switzerland should also want about the same quantities as they took last season, but Spain and Portugal will probably do with less. Ex-European countries will probably buy freely or sparingly according to how the price rules, in the coming month. Speaking generally, the prospects are that the demand of the importing countries will be only fair this season."

## Proposed Increased Rates Refused

The many arguments of the western carriers failed to convince the Interstate Commerce Commission that they were entitled to \$7,000,000 additional revenue each year. That body, after careful consideration, on Aug. 11 awarded increases which will aggregate only about \$1,600,000. The grain trade's share of the proposed \$7,000,000 would have been nearly \$3,000,000.

The Commission found that the carriers in many instances had increased their tractive and tonnage capacities far beyond any immediate or prospective need, a condition for which the shippers were in no way responsible.

Increases were asked on carload lots of grain, grain products, hay, straw, broom corn and brewers' rice, in the states of Illinois, Wisconsin, Minnesota, North Dakota, Colorado, Nebraska, Iowa, Kansas, Missouri, Arkansas, Louisiana, Texas, Oklahoma and New Mexico.

The Commission in its decision refers to the testimony of the chairman of the western trunk line com'te showing the average lading for hauls of 219 miles, covering the Santa Fe, the Burlington, the Northwestern, the Milwaukee and the Rock Island to be 36 tons of wheat per car, against 20 tons of flour, 28 tons of structural iron, 25 tons of oil and 19 tons of miscellaneous manufactures. The revenue per car mile also showed the grain traffic in a very favorable light, wheat earning the railroads 46 cents, against 25 cents for flour, 21 cents for other mill products and 32 cents for miscellaneous manufactures. In fact, no commodity gives the carrier so large earnings as grain, and these statistics should be useful in preventing future increases in grain rates.

The Commission said "These figures are representative of the general situation and show that the average loading of grain is from 25 to 40 per cent in excess of the average loading of all carload traffic. They also show that the gross ton-mile revenue from grain, whether calculated without the empty haul or with the empty haul, affords an

excess of revenue in favor of grain over the revenue from the average of all carload traffic. The excess ranges from 15 to 20 per cent.

"Whatever the cost of transporting grain and grain products may be, the cost of transporting the products is higher than of transporting the grain. Upon all the fact of record we are justified in concluding that, considered alone, present rates on grain are sufficiently high. The rates on grain products, at least as at present apportioned, may be too low."

An order has been entered by the Commission directing the carriers to cancel the tariffs proposing increased rates on grain and grain products, but they were found justified in establishing increased rates on those commodities from points in northern Iowa, southwestern Minnesota and southeastern South Dakota to Kansas City and related points reasonably and relatively conforming to rates from such points to Chicago.

The proposed minimum carload weight for grain products of 40,000 pounds instead of 30,000 pounds was also justified. Proposed increased carload rates on brewers' rice and less-than-carload rates on domestic rice were held justified. Proposed increased carload rates on broom-corn were held not justified.

As to hay and straw, the order of the Commission grants the increase on these commodities where not in excess of the Class C rates. This increase ranges from 1 to 1½ cents per 100 pounds from points in Iowa and Missouri, and about 2 cents per 100 pounds from the Missouri River and west thereof.

MOISTURE IN WHEAT is worse than in corn. Wet wheat needs a nurse night and day. When it contains more than 14.4 per cent of moisture it must be carefully watched and cared for. Otherwise it is apt to become mowburnt. Corn contains oil which helps absorb the moisture. Wheat does not contain oil. Every one-tenth of one per cent of moisture above 14.4 is equal to one per cent in corn. Millers must buy damp wheat cheap so they can afford to dry it sufficiently to make good flour. Dealers! Don't pay too much for damp wheat. Buy right or you will buy trouble.—C. A. King & Co.

## Wheat-Head Army Worm.

BY DR. J. W. T. DUVEL, CROP TECHNOLOGIST,  
GRAIN STANDARDIZATION INVESTIGATIONS, DEPT. OF AGRI.

In connection with our grain standardization work on the new wheat crop my attention has been called to a number of samples containing partially eaten kernels. This damage, which we have not previously observed in bulk grain in our wheat standardization investigations, is caused by the wheat-head army worm. The accompanying illustration shows a number of such kernels. The kernels with the blackened surfaces shown in the illustration represent attacks by the wheat-head army worm while the grain was in the milk or soft dough stage, molds having afterwards developed on the exposed surfaces. The kernels showing the light colored, clear cut surfaces were eaten after the grain had fully hardened. Inasmuch as many of these partially eaten kernels are of comparatively light weight the actual percentage of such damage as determined by weighing is less than the general appearance of the sample from any lot of wheat would indicate.

The following abstract of Bulletin 122, Iowa Agricultural Experiment Station, by R. L. Webster will give an idea of some of the more general points of interest of the wheat-head army worm: The full grown caterpillars are something over an inch long and show considerable variation in color and other markings. Some are quite green, others are decidedly brownish in color. Usually there is a distinct dark stripe down the back, another at the side, with a pale yellow or white line just below it. The wheat-head army worms differ in several ways from the true army worm. So far as habits are concerned they are different in that they feed on a lesser variety of plants and in that they have a decided preference for the heads of the various grains and grasses. Cloudy or rainy days seem more favorable for their activity than bright days. The wheat-head army worms are at work twice during the year: first, from late in May until well into July; second, from the middle of August until frost.



Wheat Kernels Damaged by Army Worm. Magnified 2 Diameters.



## Crop Reports

Reports on the acreage, condition and yield of grain and field seeds, as well as on the movement to country markets, are always welcome.

### COLORADO.

Akron, Colo., Aug. 9.—Grain dandy quality.—Farmers Mfg. & Merc. Co.

Wray, Colo., Aug. 19.—One field fall wheat threshed early averaged 50 bus.—E. W. Lambert, sec'y-mgr. Farmers Grain Co.

Hillrose, Colo., Aug. 14.—Crops good except few streaks; wheat, barley and feed quality very good.—E. H. Link, sec'y Hillrose Mfg. & Mercantile Co.

### ILLINOIS.

Ridgeville, Ill., Aug. 12.—Oats yielding from 50 to 90 bus.—Maddin Bros.

Riggston, Ill., Aug. 12.—Wheat averaging from 20 to 38 bus.; some damaged by rain; more was stacked than usual.—B. F. Green, Oakes & Green.

Avon, Ill., Aug. 17.—Wheat averaging 30 to 45 bus.; oats 50 to 75 bus.; wheat not grading good; mostly No. 3 and 4.—J. E. Raymond, agt. Bader & Co.

Van Orin, Ill., Aug. 12.—Oats badly stained; will average 45 bus. Corn 2 weeks late; some fields badly spotted; late fall will give fair crop.—H. G. Stauffer, Farmers Elevtr. & Supply Co.

Blue Mound, Ill., Aug. 20.—Corn here is blown down so flat it looks as tho a steam roller has gone over the fields. When wind and rain stops this corn will come up a little, but the crop is materially damaged.—S.

Carmi, Ill., Aug. 17.—Wheat making about 60% of normal crop; where farmers have good caps on shocks and keep weeds mowed wheat may be threshed in fair shape, providing farmers wait for dry weather.—Wm. C. Smith.

Ridgefarm, Ill., Aug. 10.—Most of grain in bad condition; wheat yielding 10 to 25 bus.; oats 40 to 60 bus.; off in color and some rotten; will grade No. 4 and sample; corn in good condition; has from 2 to 5 shoots.—Farmers Elevtr. Co.

Mill Creek, Ill., Aug. 10.—Wheat threshing about over; yield 12 bus.; quality not very good; corn looking fine; promises to be heaviest crop we ever had; some fall plowing done; will be large acreage of wheat seeded this fall.—Scott Jordan.

### INDIANA.

Newberry, Ind., Aug. 19.—Wheat badly damaged; too much rain.—E. P. Killian.

Boswell, Ind., Aug. 16.—Present oats crop in this county is record breaker.—J. F. Doan.

Franklin, Ind., Aug. 14.—Wheat yielding 20 bus.; oats 50 bus.; badly damaged.—The Suckow Co.

Pendleton, Ind., Aug. 13.—Wheat averaging 20 bus.; half of it grading No. 2; corn never looked better.—Taylor & Brown.

Columbus, Ind., Aug. 14.—Corn never better; wheat 60% of crop; about 20% not milling wheat.—J. P. Sohn, mgr. Columbus Mfg. Co.

Muncie, Ind., Aug. 14.—Wheat contains 15 to 19% moisture; discounts from 21c down; corn never better.—Woodbury-Elliott Grain Co.

### IOWA.

Scranton, Ia., Aug. 12.—New oats badly damaged by rains.—J. A. Miles, mgr. Farmers Elevtr. Co.

Greene, Ia., Aug. 11.—Our corn crop looks like a failure. Oats are fine and of good quality.—J. E. Miller.

Strahan, Ia., Aug. 20.—Wheat badly damaged; corn looks fine; oats and rye fair crop.—E. C. Kayton, mgr. Salyers & Kayton.

Hartley, Ia., Aug. 18.—Oats and barley very wet.—Farmers Elevtr. Co.

McIntire, Ia., Aug. 20.—Small grain fine; will have to have fine weather to get any corn.—Agt. Cargill Grain Co.

Scranton, Ia., Aug. 18.—New oats are coming in badly damaged by rains.—J. A. Miles, mgr. Farmers Elevator Co.

Des Moines, Ia., Aug. 11.—Weather fine; corn doing well; one of largest oats crops in shock this state ever had.—C. A. Tower.

Turin, Ia., Aug. 7.—Small grain badly damaged by too much rain; wheat making 25 to 35 bus.; oats 40 to 60.—S. P. Stark, mgr. Turin Grain Co.

Des Moines, Ia., Aug. 16.—The week brot most favorable weather of season for belated farm work, and for rapid growth of corn. The days gave about average amount of sunshine, and the rainfall was considerably less than normal. Corn made very rapid progress, and in the northern counties, where it was so backward, is beginning to tassel. Threshing returns indicate heavy yields of small grain, but in the southern sections the quality is generally below the normal on account of being damaged by wet weather.—Iowa Section, U. S. Dept. of Agriculture, Weather Bureau.

Iowa reports indicate some increase in the quantity of barley produced, compared with last crop, due to much larger yield per acre, altho the acreage is smaller. Quality is generally good and suitable for malting, the berry being plump or medium weight and reasonably sound. All reports agree that the crop is discolored by moisture damage and much badly so. Acreage estimates as compared with last year range from 50% increase to 60% decrease, but only a small number at the extremes and about one-half report no change. The average, however, shows a decrease of about 10%. Yield per acre estimates range from 20 to 55 bushels and average about 33 bushels or 7 bus. more than the crop of 1914 and 11 bus. more than the crop of 1913.—E. P. Bacon Co.

### KANSAS.

Hays City, Kan., Aug. 19.—Wheat out of condition; quality medium.—W. J. Maden.

Hudson, Kan., Aug. 20.—Wheat in stack in very poor condition.—Chas. Duff, mgr. Stafford County Flour Mills Co.

Hewins, Kan., Aug. 12.—Corn, kafir and sorghums fine; wheat a failure.—C. A. Polson, mgr. M. H. Taylor Grain Co.

Hudson, Kan., Aug. 9.—More rain today; wheat already in bad condition.—G. H. Immer, sec'y-mgr. Hudson Grain & Supply Co.

Waterville, Kan., Aug. 16.—Corn doing fine, but rainfall is 30 inches, against 10 up to this time of 1913 and 1914.—H. C. Strohm.

Sylvan Grove, Kan., Aug. 11.—Wheat will run from 15 to 30 bus. per acre; in some sections in very bad condition.—Latto & Robinson.

Cairo, Kan., Aug. 17.—Much wet weather here of late, but we are now threshing again. Wheat will run from 10 to 27 bus. per acre.—Cairo Co-op. Equity Exchange.

Raymond, Kan., Aug. 9.—Corn fine but very small acreage; continuous rains are damaging wheat; much of it will never be cut.—Raymond Grain & Supply Co., G. G. Mowrey, mgr.

Valley Falls, Kan., Aug. 18.—Best corn crop for 12 years; oats fair; wheat average crop; wheat and oats damaged by wet weather; most stacked.—B. C. Ragan, pres. Ragan Grain Co.

Bushton, Kan., Aug. 18.—New wheat is wet and runs about 50 lbs. Crop will be about two-thirds of last year if we save what is in shock. Yield is from 12 to 20 bus. per acre.—Bushton Grain & Sup. Co.

Haviland, Kan., Aug. 9.—Yield of wheat lighter than expected. Corn prospects excellent; large acreage. Ground in excellent condition for next wheat crop.—W. L. Dunbar, mgr. Haviland Merc. Exchange.

Valley Center, Kan., Aug. 20.—Lots of damaged grain from rains, and threshing is delayed. Prospects for a big corn crop.—Joe Clark, per John Congdon.

### MICHIGAN.

Sterling, Mich., Aug. 10.—Grain and beans badly damaged by rain.—Sterling Elevtr. Co.

Ithaca, Mich., Aug. 13.—About 25% of grain has been dried to save it; wheat yielding about 40 bus.; oats 70 bus.; new oats badly stained; will not grade better than No. 3 white; prospect for largest crop wheat, oats and barley in years.—Ithaca Gleaner-Farmers Elevtr. Co.

### MINNESOTA.

Newfolden, Minn., Aug. 11.—Prospect for all crops is good.—H. O. Paulson.

Westport, Minn., Aug. 19.—Rye and barley not of very good quality.—John Hines, agt. Great Western Grain Co.

Le Sueur, Minn., Aug. 12.—Rye will only make half crop account late frost when it was in flower; corn poor.—Wierwill Bros.

Sleepy Eye, Minn., Aug. 18.—Crops here are all fair except corn, which is poor.—C. P. Cutting, mgr. Farmers Elevtr. Co.

Bronson, Minn., Aug. 20.—Farmers here are harvesting the best crops in many years.—N. E. Johnson, agt. Northland Elevtr. Co.

Delhi, Minn., Aug. 21.—Oats making 50 to 60 bus.; corn about month late; may not get crop at all.—William A. Clark, agt. Atlas Elevtr. Co.

Beardsley, Minn., Aug. 21.—One farm made 22 bus. wheat; barley 44 bus.; oats 56 bus.; all good quality except barley and that is badly colored.—C. E. Dittes.

Easton, Minn., Aug. 18.—Winter wheat will run about 20 bus. per acre, with quality pretty good. Blue stem quality is not so good. Oats quality fine.—J. M. Wermerskirchen.

Franklin, Minn., Aug. 18.—Some threshing here now. Wheat is pretty good in quality but yield only 12 bus. per acre. Weather is clear; good for the corn.—Independent Elevator.

Worthington, Minn., Aug. 12.—Weather is fine and grain is drying out; going into stack in good condition. Oats will yield from 30 to 60 bus. per acre.—N. C. Ager, agt. Farmers Co-op. Co.

Nashua, Minn., Aug. 19.—Exceptionally large crops in prospect. Reports of early threshing indicate barley going 40 bus. per acre. No oats or wheat threshed yet.—J. L. Cohen, mgr. Farmers Elevtr. Co.

Minneapolis, Minn., Aug. 18.—The past week was clear with warm days, which was ideal for ripening of small grain and has helped corn greatly; corn now making good progress; will make better crop than was anticipated if we do not get an early frost.—Van Dusen-Harrington Co.

Minnesota reports from the barley producing sections indicate considerable increase in production as compared with the past two years, due to larger yield per acre, altho the acreage is smaller. Quality is variable, but generally good, the berry being plump or medium. Considerable unsoundness is caused by weather damage. All is discolored and much badly so. Acreage estimates as compared with last year range from 20% increase to 50% decrease, the larger number being a reduction. The average indicates a decrease of about 11%. Yield per acre estimates range from 10 to 40 bus. and average about 28½ bus. or 7 bus. more than the crop of 1914 and 6½ bus. more than the crop of 1913.—E. P. Bacon Co.

### MISSOURI.

St. Louis, Mo., Aug. 20.—Corn between this city and Decatur, Ill., badly blown down.—S.

Elsberry, Mo., Aug. 18.—It is reported that 6,000 acres of wheat at Elsberry cannot be cut because of the rain.—G. C. Taylor, Seale Bros.' Grain Co., Winfield.



## MONTANA.

Rossfork, Mont., Aug. 19.—Wheat crop is good. Not much oats, barley or flax grown here.—W. E. Gage.

Lewistown, Mont., Aug. 9.—Crops looking fine; weather bright and warm for last 2 weeks and grain ripening fast; hail damage in Judith Basin small and yield and quality will be over the average.—P. F. Brown, Mont. mgr. Quinn-Shepherdson Co., Minneapolis, Minn.

## NEBRASKA.

Midway sta. (St. Paul p. o.), Neb., July 23.—New wheat in fine condition.—H. R. Pattison, mgr. Gooch Mfg. & Elvtr. Co.

Rogers, Neb., Aug. 17.—Corn looks fair; will be considerable off grade wheat this year.—L. C. Gerriets, agt. T. B. Hord Grain Co.

Guide Rock, Neb., Aug. 11.—Small grain crop very poor on account of hail and rain; wheat shriveled, damp and tough; also off color.—L. E. Thunhorst, mgr. Farmers Union Co.

Cozad, Neb., Aug. 16.—Hail has damaged about one-third of the crop and a recent hail completely demolished some of the corn fields. We have much good corn and with a late fall much of it may mature.—Geo. S. Doty.

Stroemer (Glenville P. O.), Neb., Aug. 7.—The handling of small grain this year will be a big proposition and a difficult job. It will be disastrous one too for the manager who does not buy right.—B. C. Smith, mgr. Stroemer Grain & Supply Co.

Hooper, Neb., Aug. 18.—Weather conditions bad; too wet for threshing; rain every day for past 6 weeks; most of grain in shocks still; in bad condition; some threshing done; yield from 18 to 35 bus.; quality poor account sprouting in shock; corn in all stages from knee high to roasting ears.—S.

## NORTH DAKOTA.

Stubbins Sta. (Norwich p. o.), N. D., Aug. 16.—Crops very good here.—R. E. King, mgr. Farmers Elvtr. Co.

Gronna, N. D., Aug. 19.—Crops elegant; quality good; look for large yield.—H. C. Boomgaarden, agt. Atlantic Elvtr. Co.

## OHIO.

Ankenytown, O., Aug. 9.—Heavy yield of wheat; in poor condition on account of heavy rains.—Syler Bros.

Prairie Depot, O., Aug. 19.—Oats quality poor; corn looks fine; with few more weeks good weather will have bumper crop.—Mr. Pierce, J. L. Cruikshank & Co.

Savannah, O., Aug. 19.—Very little dry wheat; considerable wet wheat but good berry; oats straw broken and down; will lose one-third.—Savannah Elvtr. Co.

Sidney, O., Aug. 23.—Corn is fully two weeks late and losing time. With the most favorable weather we can not expect more than 75% of an average crop.—E. T. Custerbender.

Pleasant Bend, O., Aug. 12.—Oats yielding 30 bus.; poor quality; badly stained. Wheat yielding 35 bus.; sprouting in shock. Corn looks good.—Pleasant Bend Grain Co., J. W. Dickman, mgr.

Laura, O., Aug. 13.—Frequent heavy rains have retarded threshing and stained oats badly; oats yield disappointing; wheat quality good but has large moisture content; much weedy corn and much is firing.—A. B. Jones, mgr. Henderson & Coppock.

Maria Stein, O., Aug. 9.—Much wheat spoiled on account of high water; many oats still uncut and most of them will not be cut; too much rain. Corn prospects fair. Farmers ought to have \$2 a bu. for wheat to compensate them for trouble in cutting and threshing on account of wet ground.—Myers & Patty Co.

## OKLAHOMA.

Carnegie, Okla., Aug. 20.—Crops above par; wheat acreage this fall will be large; war prices changing this from cotton to grain country.—J. R. Thomas, Thomas-Brink Grain Co.

Fairland, Okla., Aug. 18.—Lots of rain; good corn crop expected; acreage small account of wet weather; wheat and oats poor; wheat averaged 4 to 10 bus.; oats 15 to 20 bus.—Geo. F. Milbourn.

## SOUTH DAKOTA.

Bloomington, S. D., Aug. 16.—All grain in good condition.—E. K. McFarland.

Erwin, S. D., Aug. 11.—Prospect for biggest crop we ever had thru this section.—H. B. Atwood, mgr. G. T. Snyder.

Selby, S. D., Aug. 10.—Crops fine but much grain lodged; a good deal of red rust; some fields have black rust.—John Bibelheimer, mgr. Selby Equity Union Exchange.

Leola, S. D., Aug. 12.—Crops best in 5 years; some red rust but most of grain too far along to do much damage. Corn late but doing fine.—J. W. Wallrich, mgr. Leola Equity Exchange.

Highmore, S. D., Aug. 16.—All crops excellent; rye averaging 25 to 30 bus.; oats 50 to 75 bus.; wheat 20 to 30 bus.; all good quality; corn a little late but if no frost until Sept. 15 will have good crop.—G. M. Hague, agt. G. W. Van Dusen & Co.

South Dakota reports indicate material increase in production of barley as compared with last year, due to larger yield with a small decrease in acreage. Quality averages good, the berry being plump and in this respect rather better than last year, but much is unsound, due to weather damage. All is discolored and much of it badly so. Acreage estimates as compared with last year range from 50% increase to 50% decrease, but only a small percentage at the extremes, and about one-half report no change. The result does not show material change, the average being about 1½% decrease. Yield per acre estimates range from 20 to 50 bus. and average about 30 bus. or 8 bus. more than the crop of 1914 and 10 bus. more than the crop of 1913.—E. P. Bacon Co.

## WISCONSIN.

Sheboygan, Wis., July 27.—Crops never looked better. Will be good crop of everything.—A. Grasser.

Lena, Wis., Aug. 11.—All grain looks very good so far but we are getting too much rain.—J. N. Bassett.

Marathon, Wis., July 29.—All crops looking fine except winter wheat; corn late; farmers busy haying.—Paul Rajek, agt. Cereal Mills Co.

Milwaukee, Wis., Aug. 16.—Wisconsin reports indicate material increase in production as compared with the past two years, there being a much larger yield and a small increase in acreage. Quality is generally good, the berry being plump or medium weight and suitable for malting, although some unsoundness is reported, due to weather damage. Practically all is more or less discolored. Acreage estimates as compared with last year range from 50% increase to 50% decrease, but the larger portion are the same. The average is about 1% increase. Yield per acre estimates range from 15 to 50 bus. and average about 34½ bus. or 9 bus. more than the crop of 1914 and 11½ bus. more than the crop of 1913.—E. P. Bacon Co.

## Exports of Grain Heavy

JAPANESE STEAMER Tokai Maru has been chartered to load 165,000 bus. of grain at Portland, Ore., late in August for the United Kingdom.

BRITISH STEAMSHIP West Wales with 235,000 bushels of wheat cleared at Galveston on Aug. 14 for Rio de Janeiro. This is the first cargo of wheat to be sent to Brazil this season.

NORWEGIAN STEAMER IMO, formerly a whaling ship, is at present loading grain at Baltimore for Scandinavian countries. The heavy demand for ocean vessels is expected to induce many other miscellaneous ships to enter the grain trade.

## The Bean Crop.

In the important commercial bean growing states the U. S. Dept. of Agriculture by special inquiry has collected the following information on acreage, yield and quality:

State.	Compared with last year.	Compared with the usual ac'ge.	White.	Colored.	Seed used per acre.	Yield per acre.
	%	%	%	%	Lbs.	Bu.
Me. ....	117	103	51	49	56	18
N. H. ....	104	114	43	57	55	30
Vt. ....	136	138	33	67	69	16
N. Y. ....	116	115	57	43	69	16.4
Mich. ....	111	112	91	9	46	11.3
Wis. ....	107	100	91	9	21	11
Minn. ....	93	102	80	20	31	11
Colo. ....	102	116	20	80	25	15
N. Mex. ....	118	112	4	96	15	8.5
Cal. <sup>2</sup> .....	140	125	62	38	26	18
						6.7

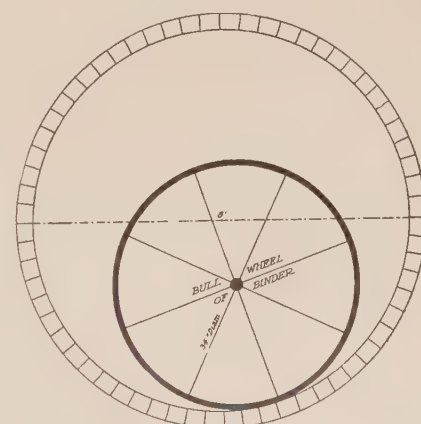
<sup>1</sup>About 6 per cent annual increase for last 5 years. <sup>2</sup>Including limas.

The average quantity of unmerchantable beans picked out in 1914 was 3.7 lbs. per bu. in New York, 4.6 in Michigan and 5.8 in Wisconsin. For the last 5 years the average pick has been 4, 4.9 and 4.4 lbs., respectively.

## Beer Barrels for Binders.

Rumors have frequently reached us to the effect that beer barrels were being shipped into the prohibition districts of the southwest, for the purpose of using them, when empty, as a substitute for wheels on the reapers, so as to make it possible for the machine to go through the wheat fields without sinking out of sight.

South Dakota farmers have gone the southwest one better. A correspondent of *The Farm Implement News* writes that a farmer in the neighborhood of Platte solved the soft ground problem by constructing a wooden tub or wheel for the bull wheel of the binder to run in. Other farmers not gifted with a mechanical turn of mind did not dare to take their binders into the fields, because the ground was so soft the binder would surely sink out of sight. The South Dakota farmer, through the use of the circular track illustrated herewith, was able to run his binder through the muddy fields and save his grain. He used 80 pieces of 2x4, 16 inches long, fastened together in the form of a tub with angle iron. When completed it was 8 ft. in diameter and 25 ft. in circumference. The bull wheel of the binder was simply set inside the angle irons and the tub supplied the dry track needed for the bull wheel. The farmer's ingenuity enabled him to save his crop.



Big Wheel Supporting Binder Wheel.



## Grain Movement

Reports on the movement of grain from farm to country elevator and shipments from interior points are always welcome.

### CANADA.

Winnipeg, Man., Aug. 13.—First car new wheat arrived today; graded No. 1 Northern. It was cut Aug. 3 at Rosenfeld, Man.

### COLORADO.

Akron, Colo., Aug. 9.—Grain commencing to move.—Farmers Mlg. & Merc., Ass'n.

Wray, Colo., Aug. 19.—Shipped first car new wheat today; threshing retarded account rain.—E. W. Lambert, sec'y-mgr. Farmers Grain Co.

Hillrose, Colo., Aug. 14.—Little threshing done so far; rain past week delayed harvest and threshing; grain movement has not started.—E. H. Link, sec'y Hillrose Mlg. & Mercantile Co.

### ILLINOIS.

Ridgefarm, Ill., Aug. 10.—Threshing is in progress.—Farmers Elvtr. Co.

Riggston, Ill., Aug. 12.—Stock threshing will be done in 10 days with good weather.—B. F. Green, Oakes & Green.

Brighton, Ill., Aug. 17.—Wheat moving slowly account rain last month; threshing slow.—J. H. Merton, prop.-mgr. Brighton Grain, Flour & Feed Co.

Avon, Ill., Aug. 17.—Threshing progressing slowly; had week of good weather; not many oats threshed so far; looks like long siege of threshing this fall.—J. E. Raymond, agt. Bader & Co.

Chicago, Ill., Aug. 16.—The state grain inspection dept. today inspected largest number of cars of grain in any day but one in the history of the dept. The force sampled 1,368 cars wheat, 293 cars corn, 784 cars oats, 47 cars rye and 19 cars barley, a total of 2,511 cars.

Peoria, Ill., Aug. 10.—Receipts of grain at this market during July were 232,200 bus. of wheat, 1,355,450 of corn, 701,500 of oats, 13,200 of rye and 61,600 bus. of barley; compared with 754,200 bus. of wheat, 601,200 of corn, 1,548,000 of oats, 19,200 of rye and 121,800 bus. of barley received during August, 1914. Shipments of grain during the month were 188,600 bus. of wheat, 622,925 of corn, 801,800 of oats, 4,800 of rye and 35,045 bus. of barley; compared with 766,433 bus. of wheat, 273,800 of corn, 1,504,700 of oats, 6,000 of rye and 110,282 of barley shipped in August, 1914.—John R. Lofgren, sec'y Board of Trade.

### INDIANA.

Franklin, Ind., Aug. 14.—About 90% wheat threshed.—The Suckow Co.

Muncie, Ind., Aug. 14.—Wheat about ½ threshed.—Woodbury-Elliott Grain Co.

Pendleton, Ind., Aug. 13.—Practically no oats threshed.—Taylor & Brown.

Boswell, Ind., Aug. 16.—Threshing making slow progress account rain.—J. F. Doan.

### IOWA.

Turin, Ia., Aug. 7.—Some old corn in farmers hands.—S. P. Stark, mgr. Turin Grain Co.

Hartley, Ia., Aug. 18.—Oats and barley coming to market; old corn about all marketed.—Farmers Elvtr. Co.

Conway, Ia., Aug. 13.—Grain not all cut; 20% lost on account heavy rains; threshing just begun.—F. C. Cooper, Cooper Grain Co.

Des Moines, Ia., Aug. 16.—Harvesting is practically finished except in southern counties, where farmers are still trying to

save some of oats that were badly lodged; shock threshing has begun in all sections and rapid progress was made during the week; considerable stacking was done, especially in the northern counties.—Iowa Section U.S. edpt. of Agriculture, Weather Bureau.

### KANSAS.

Hudson, Kan., Aug. 20.—No threshing done so far.—Chas. Duff, mgr. Stafford County Flour Mills Co.

Raymond, Kan., Aug. 9.—Practically no threshing done; not much wheat cut.—G. G. Mowrey, mgr., Raymond Grain & Supply Co.

Haviland, Kan., Aug. 9.—Possibly ¼ of threshing done; practically continuous rains since July 31.—W. L. Dunbar, mgr. Haviland Merc. Exchange.

Hays City, Kan., Aug. 19.—No wheat movement so far; will be delayed; farmers not satisfied with price; will hold the bulk for future market.—W. J. Madden.

Bushton, Kan., Aug. 18.—We have had 60 days of continuous rain, and only two-thirds of the acreage is cut. We have shipped only one car of new wheat, compared with 75,000 bushels at this time last year.—Bushton Grain & Supply Co.

Cummings, Kan., Aug. 17.—Owing to wet weather there has been but little grain threshed here, but all not threshed is in stack in good order. Will begin to move about the middle of September.—H. J. Barber.

### MICHIGAN.

Ithaca, Mich., Aug. 13.—Wheat and oat harvest badly delayed account continuous rains; new grain moving freely; farmers free sellers at \$1 for wheat, and 40c for oats.—Ithaca Gleaner-Farmers Elvtr. Co.

### MINNESOTA.

Le Sueur, Minn., Aug. 12.—Oats and wheat about half cut; we need dry weather. Wierwill Bros.

Minneapolis, Minn., Aug. 12.—The first car of new wheat to reach this market arrived today from Volin, S. D., consigned to Nye-Jenks & Co. It graded No. 1 northern and was a mixture of velvet chaff and marquis; quality good; sold at \$1.47½.

Minneapolis, Minn., Aug. 18.—Harvest of small grain in southern Minnesota and eastern South Dakota practically completed. In central South Dakota, harvesting is 50% finished; in North Dakota, cutting of barley, oats and early varieties of wheat is general in southern half of state; have not received sufficient threshing reports to form an accurate opinion as to final outcome.—Van Dusen-Harrington Co.

### MISSOURI.

Corning, Mo., Aug. 20.—Very little grain will be shipped from this point, as it was nearly all lost by floods. Just about enough will mature to feed the stock.—F. W. Walter.

### MONTANA.

Grassrange, Mont., Aug. 17.—New wheat is just starting to come in.—R. W. Soule, mgr. Farmers Equity Co.

Lewistown, Mont., Aug. 9.—Harvest progressing rapidly; threshing will start in a

couple of weeks.—P. F. Brown, Mont. mgr. Quinn-Shepherdson Co., Minneapolis.

### NEBRASKA.

Red Cloud, Neb., Aug. 13.—Threshing and stacking has been held up by wet weather.—Amboy Milling & Elevator Co.

Rogers, Neb., Aug. 17.—Having bad weather for threshing; farmers more than month behind with work account rain.—L. C. Gerriets, agt. T. B. Hord Grain Co.

### NORTH DAKOTA.

Gronna, N. D., Aug. 19.—Crop one-half cut; threshing will soon be order of day.—H. C. Boomgaarden, agt. Atlantic Elvtr. Co.

### OHIO.

Ankenytown, O., Aug. 9.—Harvesting and threshing later than usual this year. Wheat coming in.—Syler Bros.

Laura, O., Aug. 13.—Farmers not selling wheat freely; cannot forget last year's high prices.—A. B. Jones, mgr. Henderson & Coppock.

Pleasant Bend, O., Aug. 12.—Threshing just started; wettest harvest in years.—Pleasant Bend Grain Co., J. W. Dickman, mgr.

Prairie Depot, O., Aug. 19.—Threshing in full blast; wet spell seems to be broken; oats coming to market freely.—Mr. Pierce, J. L. Cruikshank & Co.

### OKLAHOMA.

May, Okla., Aug. 12.—Wheat movement good.—Wm. F. Gray, mgr. Farmers Elvtr. Co.

Aline, Okla., Aug. 11.—But little wheat moving at present; have had lots of rain.—F. E. Grim, J. W. Grim & Sons.

Mangum, Okla., Aug. 9.—So far have harvested an excellent crop of sweet-dry milling wheat; cloudy today and indications of more rain.—Mangum Mlg. Co.

### SOUTH DAKOTA.

Erwin, S. D., Aug. 11.—Cutting well under way; weather ideal.—H. B. Atwood, agt. G. T. Snyder.

Highmore, S. D., Aug. 16.—Rye and oats in shock; wheat cutting just commenced.—G. M. Hague, agt. G. W. Van Dusen & Co.

### WISCONSIN.

Milwaukee, Wis., Aug. 10.—First car new wheat reached this market today from Delavan, Ill.; graded sample hard; consigned to Mohr-Holstein Com'n Co.; sold at \$1.12½. First car new barley arrived at this market Aug. 8 from northwestern Iowa; received by the Cargill Grain Co. and sold at 75c by sample. First 2 cars of new oats arrived Aug. 12; one car received by W. M. Bell & Co. graded sample; weighed 32 lbs. and sold at 60c and the other received by Johnstone & Templeton, graded No. 4 white; weighed 28½ lbs. and sold at 60c. First car new rye arrived Aug. 7 from Illinois; graded sample; consigned to Lyman-Joseph Grain Co.

### WASHINGTON.

Pullman, Wash., July 30.—Harvest just beginning; old crop all gone.—W. M. Chambers.

## Daily Closing Prices.

The closing prices for wheat and corn for the September delivery at the following markets for the past two weeks have been as follows:

### SEPTEMBER WHEAT.

	Aug. 10	Aug. 11	Aug. 12	Aug. 13	Aug. 14	Aug. 15	Aug. 16	Aug. 17	Aug. 18	Aug. 19	Aug. 20	Aug. 21	Aug. 22	Aug. 23	Aug. 24
Chicago	107½	109½	111	107½	105½	104½	104½	105½	106	104½	104½	102½	100½	98½	98½
Minneapolis	105½	107½	108½	105½	104½	103	104½	104½	102½	100½	97½	95½	95½	95½	95½
Duluth	108	110½	111½	108½	106½	105½	106½	106½	104½	103½	100½	97½	97½	97½	97½
St. Louis	107½	109½	111½	108½	106½	104½	105½	105½	103½	101½	98½	96½	96½	96½	96½
Kansas City	106½	109	111½	108½	106½	104½	105½	105½	103	101	98½	96½	96½	96½	96½
Milwaukee	107½	109½	111	107½	105½	104½	105½	106	105½	104½	102½	100½	98½	98½	98½
Toledo	111½	114	116½	113½	111½	109½	111½	112½	111½	110½	108½	106½	104½	104½	104½
Baltimore	114	115½	117½	114½	112	111	111½	111½	111½	110½	108	106½	104½	104½	104½
*Winnipeg	105	105½	106½	104½	103½	101½	102½	102½	100½	98	95½	94½	93	93	93

### SEPTEMBER CORN.

	Aug. 10	Aug. 11	Aug. 12	Aug. 13	Aug. 14	Aug. 15	Aug. 16	Aug. 17	Aug. 18	Aug. 19	Aug. 20	Aug. 21	Aug. 22	Aug. 23	Aug. 24
Chicago	74½	75½	75½	74½	74½	73½	74½	75½	75½	75½	74½	74½	73½	73½	73½
Kansas City	71½	72½	72½	71½	71½	70½	71½	72½	72½	72½	71½	71½	70½	70½	70½
St. Louis	74½	74½	74½	73½	73½	73½	73½	74½	74½	74½	73½	73½	73½	73½	73½

\*October delivery.



## Feedstuffs

THE WILLIS BAIRD Grain & Feed Co., St. Charles, Mo., recently suffered a \$200 loss by fire.

M. C. PETERS Mill Co., of Omaha, has opened a branch office at Chicago in charge of G. G. Keith.

A FEED GRINDER and cleaning machine are being installed by the Farmers Elevator Co., Ypsilanti, N. D.

CAIRO, ILL.—The Cairo Mfg. Co. has built an alfalfa meal plant. A Knickerbocker Dust Collector has been installed.

HARDIN, MONT.—M. L. Pierce has sold his interest in the Hardin Alfalfa Products Co. and will engage in other business.

THE HARRISBURG Mill & Elevator Co., Harrisburg, Ill., is adding a chicken and molasses feed mill to its plant in that city.

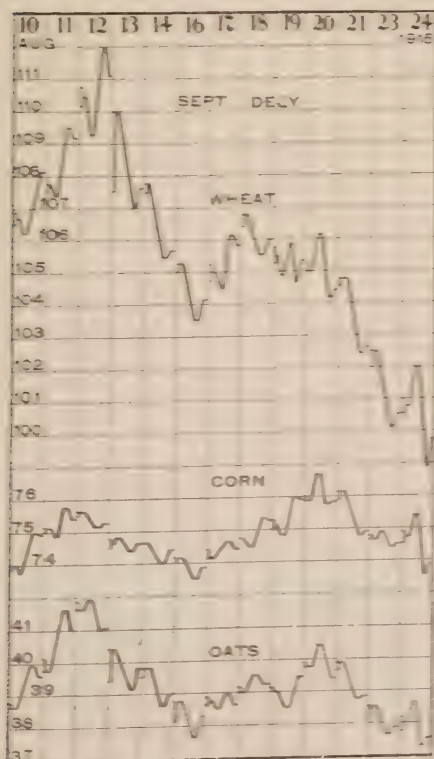
GARLAND, WYO.—The Omaha Alfalfa Mfg. Co. will have its alfalfa mill now under construction, finished in about 3 weeks.

ALBION, NEB.—D. J. Gates, who recently bot the plant of the Albion Alfalfa Mill Co. at auction, will overhaul it and put it into operation.

WATSON & HIGGINS Co., Grand Rapids, Mich., is building storage space at its mills for coarse grain, the improvements costing about \$1,000.

## Chicago Futures

Opening, high, low and close on wheat, corn and oats for the September delivery for two weeks past are given on the chart herewith.



THE RALSTON-PURINA Co., Buffalo, N. Y., is erecting a huge tank for the storage of molasses. The new tank will have a capacity of 30 carloads.

A NEW CORN products and feedstuffs plant is being planned for Western, Neb., and a company to build and operate the mill is now being formed.

THE BASIN Alfalfa Milling Co., Basin, Wyo., is constructing a new mill at Manderson, Wyo., to be in charge of F. D. Giddings, Ft. Collins, Colo.

THE RIVER BARGE Endeavor is carrying 34 carloads of bran from Kansas City to St. Louis, where most of the product will be reshipped to the east.

THE JOHNSON FEED Co., Philadelphia, Pa., has filed a petition in bankruptcy giving as the cause of its failure the impairment of foreign shipments due to the war.

THE ALFALFA MILL of the Kornalfalfa Milling Co., at Otto, Wyo., has been placed in operation for the season. Headquarters of the company are at Kansas City.

LOVELL, WYO.—Work on the new alfalfa mill of the Omaha Alfalfa Mfg. Co., which was delayed on account of controversy over the location, has been resumed.

THREE CARLOADS invoiced as "No. 3 white oats" and shipped from Illinois into Arkansas were seized by the government on account of adulteration with 27 per cent of barley, wheat, weed seeds, dirt and miscellaneous seeds.

TIoga MILL & ELEVATOR Co., Waverly, N. Y., has registered the word Tioga set in a circle and surrounded with a background of black, as a trade-mark for its middlings, and poultry, chick and stock feed, claiming use of the word since 1909.

THE M. C. PETERS Mill Co., Omaha, Neb., has registered the words High Score, in heavy black type over the design of a target, as a trade-mark for its alfalfa meal and molasses live stock feed, claiming use of the words since June 1, 1915.

FEED and other mill products of Tennessee are being inspected with a view to enforcement of the act calling for the proper labeling of such products. Pure wheat products require only a tag stating weight of the package and contents and require no stamp.

SULFURED and unsulfured oats were used in an experiment on 30 horses by the Bureau of Plant Industry, Dep't of Agriculture. Tests were started Sept. 13, 1912, and A. R. Wend, chief, Pathological Division, reports in a recent paper that no results developed which could in any way be attributed to the presence of sulfur in the oats.

THE TEXAS Cattle Raisers Ass'n has decided that rates charged by the Southern Railway and other lines for transportation of live stock and live in carloads from El Centro, California, Tex., for export and to El Paso, Tex., and from Calexico, to Galveston, for export, are unreasonable.

M. C. PETERS Mill Co., Omaha, Neb., has commenced work on a new 3-story bag house of steel, brick and concrete. The company has also completed plans for the erection of an elevator and storage building to be 40 feet high. The elevator will be of power hoist type and will consist of four compartments built entirely of reinforced concrete and steel. A new office building is also planned for the near future.

THE EARLY & DANIEL Co., Cincinnati, O., has registered the words Tuxedo Chop set within a heavy black circle, as a trade-mark descriptive of its horse feed composed of rolled oats, crushed corn, alfalfa meal, brewers barley grain and molasses, claiming use of the term since Mar. 30, 1913.

MOISTURE IN OATS was ordered reduced to 14 per cent or less in five seizures of oats shipped by Fagg & Taylor and forfeited by the government because of alleged excess of water. If the ruling in these cases establishes a precedent the Dept. of Agriculture, Bureau of Chemistry, should pass all shipments containing less than 14 per cent water.

THE BUREAU OF CHEMISTRY of the U. S. Dept. of Agriculture has found samples of "mill oats" containing screenings, barley and dirt; and is conducting an inquiry to ascertain just what is the trade definition of this term. It has been suggested to the Bureau that if mill oats are the small oats rejected by the oatmeal mills, and having high feeding value, handlers should not be permitted to brand their shipments as such if they contain an admixture of ingredients of less value.

THE OHIO FEEDSTUFFS LAW which became effective July 22, 1915, after the previous measure had been declared unconstitutional because it was a revenue measure rather than a license, is even a bigger burden to the feed trade of that state. A list of brands which must be registered at \$20 each is larger than that called for by the former law, but the registration fee has been reduced from \$25 to \$20. The last law provides that any surplus be turned over to the agricultural fund of the state. The Ohio Millers State Ass'n contemplates a test case to determine whether or not the law is constitutional.

## High Moisture Content of New Wheat.

The moisture content of 678 samples of hard and soft winter wheat of the new crop has been determined by the Office of Grain Standardization, Bureau of Plant Industry. Most of these samples were from cars arriving at the terminal markets, some from farmers' wagons and some from threshing machines.

Dr. Duvel says: As a result of frequent rains over a considerable portion of the winter wheat area, much of the wheat has shown an unusually high percentage of water. The average moisture content for all samples from the 11 states represented is 14.2 per cent. Fifty-four per cent of the samples tested showed a moisture content of 14 per cent or more, while 27 per cent of the samples showed a moisture content of 15 per cent or more, and 10 per cent a moisture content above 16 per cent, the maximum being 19.3 per cent.

Unless this high-moisture wheat is handled with the greatest of care it is probable that a considerable percentage of it will become musty or heat-damaged before it can be consumed. Wheat with a moisture content as high as 15 per cent is almost certain to undergo more or less deterioration within a few weeks when stored in considerable bulk. With a moisture content as high as 16 per cent, as in 10 per cent of the samples tested, marked deterioration is very likely to begin before the grain reaches the primary market for inspection.

Grain dealers and millers receiving damp wheat for storage should first dry it artificially or "run" it at frequent intervals to retard deterioration.



## Men I Have Met in the Grain Business.

One of Them.

BY V. E. BUTLER.

It is usual for us fellows living in Minnesota to think of Louisville, Ky., as being away down south where the sun shines every day in the year and the flowers are always in bloom. Alas, it is not true, and I found it out last winter just before Christmas when on a visit to Evansville, Ind., down on the Ohio River. B-r-r-r! how cold it was and how glad I was to start north again.

I did not get thawed out till I reached Mitchell, Ind., when I looked over that beautiful little city and began looking for a grain man. It was some trouble to find him, but when I did find him I began to thaw out, the world began to look a little more natural and the sun began to shine, and I felt as if I were in God's country again for I met Mr. H. H. Crawford. Never was in Mitchell before and had no idea about "Who was Who" in the grain business in that town, so I asked the hotel man how many grain men there were there and this was his answer:

"How many grain men here? Say, you are a stranger in these parts, aren't you?"

I answered "guilty," and I said it ugly.

A smile broke over Mr. Hotel Man's face, and he looked like an Indiana politician, always meeting trouble with a smile, and said: "We only have one here and he has lived here so long that the town should have been named Crawford instead of Mitchell."

I asked where I could find Mr. Crawford and he said, "Oh, I don't know, some place around town looking after his affairs. Just go out and look for him and the first young looking old man you run across call him Crawford, and that's him."

The first man I met I asked if he had seen Mr. Crawford lately. He pointed over to a fine looking building and said, "No, but I suppose you can find him at his hardware store."

I went there and inquired, and was informed that he had just gone out to the implement warehouse, so over there I went and was informed that he had just gone to the elevator. It was getting to be some chase and very interesting to me. Over to the elevator I went and was informed he had just left, but they did not know his destination, so I took a little time to look around. I found everything in nice shape and the boys busy. I got rested a little and started back to the hardware store to lay for him. After waiting a short time he came in, and, say, he's the youngest looking man for one having lived as long as he has, you have ever seen. Don't look a day over thirty years old and has been in business for thirty-two years.

Thought that Hotel Man had given me a bum steer till I got to talking to Mr. Crawford and then found he was ripe with years of experience in the grain, hardware, implement and harness business and a very pleasant gentleman to meet. We drifted around in our conversation for a while and finally landed on the subject of the grain business, and here is the story of a successful grain business being the foundation upon which a business of large proportions has been built.

It took us a little while to get wound up, but you know two old grain men forget time and everything else when they get started swapping stories about their experiences and that was the way with

us. Listen, this is part of what he said: "I went into the grain business here in Mitchell 32 years ago. There never was much grain for sale here—only about 40,000 bushels a year—and I had lots of time to handle it. Never tried to get rich quick in the business and never had but two years in all of that time that I did not make money. The balance of the time it has always shown me a little profit, and it was these small profits each year that gave me my start. I handle that end of the business the same as I handle this store and merchandise my purchases without speculating."

I broke into the story here and asked him if he did not do a little trading for a flyer once in a while, and his answer was, "Yes, I have just twice in all those years and, say, every time I think of those two trades I have a bad taste in my mouth, and those transactions were years ago. I have heard grain men say they have never taken a speculative trade, but I know they are 'dreams' for every man in the trade has at some time had a great desire to get rich quick and thought he knew just how to call the turn on the Board of Trade. Some have done so, but the large majority of them lost, as I did. Fortunately for me my losses did not hurt me much and they seemed to teach me a good lesson and to care for my own business. I have prospered in a reasonable way ever since."

Here is the lesson to be learned from this experience. Be satisfied with a fair margin of profit and don't try to get rich quick. Get the margins necessary to meet your expenses and a reasonable return for your efforts and as time goes on you will become as well established in the business world as Mr. Crawford.

## War Affecting the Grain Trade

THE SPANISH GOVERNMENT on Aug. 5 established a duty of 5 pesetas per 100 kilos of wheat exported during that month. This is the equivalent of \$1 per 220 lbs., and is an increase of 40 cents over the export duty of July.

GOVERNMENT OF FRANCE has appropriated \$24,000,000 for the purchase of wheat and flour for the civil population. The Minister of Commerce is empowered to make purchases in the colonies or abroad and to distribute the supplies where needed.

SWEDISH GOVERNMENT has decided to take an inventory of all grain in the Kingdom, with the exception of the provinces of Norrland and Dalecarlia. Work will commence early in September.—Charge d' Affaires Jefferson Caffery, Stockholm.

SEVERAL CARGOES of American wheat, exported to Malmo, Sweden, are being detained in that port because the government discovered the grain was intended for transfer to German vessels. As a result the cargoes are undischarged, and the vessels which were to have taken the grain to Germany are also idle at the port of Malmo.

THE RUSSIAN government has now withdrawn restrictions upon grain dealings, and the movement of grain from one district to another. The general effect of this and of the good harvest news continues to be a sagging of prices and indisposition to acquire any stocks. Wheat is fast coming down to a normal price level. Barley is likely to be a drug on our market very shortly. It is already as cheap as coal in the Odessa neighborhood.—Nicolaieff correspondence Corn Trade News.

## Confirmation of 'Phone Contract.

Confirmation of contract made over the telephone was held not necessary to establish the validity of the contract in the suit brot by the Walker Grain Co., of Fort Worth, Tex., against the Denison Mill & Grain Co., of Denison.

J. L. Walker, representing plaintiff, agreed with W. L. Hutcherson, representing defendant, over the 'phone, that defendant would deliver during December 20,000 bus. "No. 3 mixed bulk Oklahoma" shelled corn at certain railroad points surrounding Denison, Tex. Defendant alleged that the agreement was for "No. 3 mixed," plaintiff that it was for "No. 3 Oklahoma." In exchanging confirmations each specified his own different understanding.

The defense was that in the grain trade it is understood that no contract exists until confirmations have been exchanged. Walker held that the 'phone conversation completed the contract, and that the confirmation was only for the purpose of record. The general manager for the plaintiff testified:

"It is the custom to make the deal over the telephone, and then you are supposed to confirm this trade. \* \* \* If the man don't confirm what he does, the other party, of course, has a right to insist that he does do it; that don't affect the trade at all; the trade is made over the telephone. \* \* \* The telephone conversation constitutes the trade, but we want it confirmed in writing. It is not a fact that if the trade is not confirmed, that there is no trade; you make the trade over the telephone, but you then confirm it—have a record of it."

Another witness of 30 years' experience in the grain business testified:

"Most contracts now are made by phone or telegraph. I presume the great majority of them are made by 'phone, and afterwards confirmed by writing. \* \* \* The contract made over the 'phone is the contract and is so regarded."

Yet another witness of 12 years' experience in the grain business testified:

"In making trades for corn or grain, they are made by 'phone, by wire, or by personal conversation or by letter. I imagine the majority of trades are made by telephone conversations between the buyer and the seller. They make their trade over the telephone, and later confirm by letter, as a rule, but a great many do not confirm by letter. The trade—the purchase or sale—is made over the 'phone. When the confirmations do not agree, and the parties split in trying to get together on it, it is not the custom that there is no trade. \* \* \* When the parties do not agree, then it becomes a question of veracity."

Another witness with 10 years' experience in the grain business testified:

"Grain dealers consider that they have made a trade when they finish the telephone conversation which leads up to the trade, and they send their confirmations as a matter of record. \* \* \* If the confirmations do not agree, that would not change my statement that the telephone conversation made the contract."

The court very clearly submitted the issue to the jury in a form to which no objection has been urged before us. In illustration of this, we quote a portion of the second paragraph of the court's charge, which reads:

"If you find and believe that there was a general custom and usage among wholesale grain dealers such as the plaintiff and defendant were in the territory mentioned, that contracts for the purchase and sale of grain between and among such dealers should not be binding and determined by the conversations and agreements by telephone, but that such contracts should only become binding when confirmed by written memoranda by both seller and buyer, and that the terms of the contract should be controlled and determined by such written memoranda, known as 'Confirmations,' \* \* \* then you will find for the defendant company."

Under such evidence and circumstances, said the Court of Civil Appeals of Texas, we hardly see how we can say



that the verdict and judgment must be set aside on the ground stated in appellant's proposition quoted above.—178 S. W. Rep. 555.

[In Texas an oral contract is valid if it is to be performed within one year.—Ed.]

### From The Seed Trade

LONDON, ENGLAND, Aug. 9.—A good demand exists for trifolium, mustard, rape, winter tares and rye; markets firm; mustard slightly dearer. We have also a brisk enquiry for English red clover, white clover and trefoil, as it is certain that the growing crops have suffered considerably from the recent wet weather, particularly trefoil and white clover. A good trade is passing in natural grasses. Owing to the war it is difficult to obtain several varieties.—C. W. Le May & Co.

TOLEDO, O., Aug. 20.—Prospects of more unsettled weather put clover seed up to the highest point of the season. Investment buying was noted around the top. The seed crop is under suspicion. Reports on seed formation are contradictory. We have received several samples of clover from Indiana. Two of these, taken from adjoining fields, showed little or no seed. Many heads were infested by weevil, which seed men here say they have never before seen in clover, though they appear to be the same as frequently infest wheat. Samples from another part of Indiana showed very fine, large, well-formed, full heads, with liberal quantity of seed forming. The correspondent who sent these samples says the 40-acre field from which they are taken is filling very well. In one head he had counted 79 seed. As long as there is uncertainty about the outcome of the seed crop fluctuating markets may be expected. Dry weather is needed the rest of this month and during September to allow the seed to mature and be gathered and hulled.—Southworth & Co.

### Catfish Taking Corn Crop.

The continued downpour in different sections of the country has resulted in the grain growers of the land turning out more incredible fish stories than has ever before been produced by the entire population in one season. It has not been long since reports reached us from the neighborhood of Manhattan, Kans., to the effect that many wheat fields were being robbed of their grain by large fish, which had swam up from the Big Blue.

The Talbott Grain Co., of Osceola, Ia., who insist that it is still raining, recently wrote Seele Bros., of St. Louis: "It has been raining here continuously for 36 hours and all creeks and rivers have overflowed the low land. Several farmers today phoned the game warden for help, because the catfish were eating their corn in the low fields near the river."

It should not be overlooked that while continuous wet weather is likely to induce grain dealers to believe many extravagant stories of this character, still the wet weather seldom causes as much shrinkage in the crop of small grain as does prolonged drouths. Growers whose fields are being invaded by any kind of fish owe it to the followers of the piscatorial art to advertise good fishing, and the fish will soon swim to other sections.

A RECORD WAGONLOAD of wheat was recently received by the Rock Mill & Elevator Co., Hutchinson, Kan. The load contained 12,850 pounds of wheat, more than 214 bushels.

## Seeds

MARIA STEIN, O., Aug. 9.—Prospects for clover seed good.—Myers & Patty Co.

THE ARIZONA SEED CO., Phoenix, Ariz., has been able to import 40,000 pounds of Australian rye grass seed despite conditions in the war zone.

D. W. CRANE, seed merchant of Los Angeles, Cal., died recently in the California Hospital at that city of kidney trouble and high blood pressure.

J. M. CLARK, sec'y, Leonard Seed Co., Chicago, Ill., died on Aug. 16 of an ulcerated stomach. Mr. Clark had been in the seed business at Chicago for 36 years and was 55 years old.

FORT WAYNE, IND., August 14.—Clover in this vicinity is growing but is not going to seed. Two months ago every sign foretold a good clover seed crop but no one will hazard a guess on the crop.—S.

THE FARIBAULT SEED CO., organized a number of years ago by A. J. Bell, Faribault, Minn., has been sold to O. J. Stark, formerly connected with the company. The sale was made by H. P. Bell, proprietor.

CHICAGO RECEIVED its first spot offerings of the new timothy seed crop on Aug. 16. One 12 bag lot of Illinois seed, damp and foul, brot \$5, while 15 bags of Iowa seed, of good color and fairly pure, sold at \$6.

MAYFETER, a new grain discovered by C. M. Doyle, Wingate, Tex., is a cross between feterita and maize but the quality of the seed is superior to either of the parent grains. Heads are one-third larger than those of milo maize.

A BIG CROP of popcorn is expected by growers in the vicinity of Lawrenceburg, Ind. On one farm alone over 500 acres of that grain have been purchased by an eastern house, the price paid to be the value at the time of harvesting.

NORTH DAKOTA'S fourth annual seed contest will be held during January, 1916, at Fargo, and many medals, cash prizes and pieces of machinery will be awarded in the contest. The Quaker Oats Co. is giving a gold medal for the best field of durum wheat.

THE CASHIER of the Leonard Seed Co., Chicago, was robbed recently by automobile bandits of a \$762 pay roll. The robbers followed him from the bank until he approached the headquarters of the company where they forced him at the point of pistols to turn over the cash.

TO FACILITATE INSPECTION of clover seed at Toledo the Pennsylvania Ry. Co. will, at the request of consignee, unload into its warehouse, making a charge of 2c per bag for unloading and handling. This includes 48 hours of free storage, from 7:00 a. m. or 12 m., immediately following notice to consignee of arrival.

SOUTH DAKOTA EXPERIMENT STATION at Brookings has found that the blue and yellow flowered varieties of alfalfa cross readily, the resulting hybrids combining the good points of both. The hybrid is sand lucerne and has become very popular in southern Europe or Asia. The maintenance of this hybrid alfalfa is largely a matter of good faith on the part of the seed trade as the color is not a means of identification, and in making the suggestion for crossing to growers the Dep't makes no recommendations.

TO PREVENT DELAY in planting because of an insufficient supply of seed wheat thruout Arkansas every county agricultural agent in the state has been given a list of seed wheat growers. In counties having no agents the information has been sent to the banks by the State University and will be given to the growers on application.

TIMOTHY SEED, contrary to general opinion, retains its vitality better than red clover or alsike. A. Eastham, in No. 7 of the Agricultural Gazette of Canada for 1914, gives results of tests on seeds that had been stored 10 to 13 years. At the end of 10 years timothy showed an average germination of 54%, red clover 44%. After 13 years oats germinated as high as 91%.

CLOVER SEED bulls have captured some more trenches this week. Crop reports mixed but mostly unfavorable. Our information comes from sixteen states. Some sections are cutting for hay. Heads not filling well and price of hay tempting. Rains ruined first crop in some sections. Bears are looking at the acreage and carry over. Market has advanced dollar and half from the July low. Might be best to realize on bulges and replace on good breaks. Watch weather and foreign situation. Foreign complications might depress prices for awhile but later on might restrict our imports. Timothy less active. Fluctuations usually smaller after crop is made. Yields fair, quality mostly poor. Some longs will take delivery. Alsike very quiet.—C. A. King & Co.

PROSO MILLET, South Dakota's new grain, is described in Bull. 158 of the Agricultural Experiment Station by N. E. Hansen, to whom credit is due for importing the plant from abroad. Proso has been grown in foreign countries for centuries for its value as a forage crop as well as for the grain, but in the United States it is hoped to make it largely a table food. In his search among the Kirghiz nomads Mr. Hansen found 36 pounds of large white seeded proso, the large size kernels being well adapted to human food. The legal weight of millet in South Dakota is 50 pounds per bushel, but the weight of the variety found by Mr. Hansen is 56 pounds. More than 100 farmers of the state have sampled food prepared from this grain and the general verdict is very favorable as to its flavor. Among the foods prepared were soup, mush, nut loaf, molasses bread, muffins, and proso with dates and cheese.

SPANISH GOVERNMENT estimates the grain crop of that country for 1915 as follows: Wheat, 2,162,000 short tons; barley, 1,013,000 short tons; rye, 401,297 short tons; oats, 2,907,000 short tons; compared with the 1914 production of wheat, 1,741,000 short tons; barley, 867,000 short tons; rye, 335,000 short tons, and oats, 2,498,000 short tons.—Consul Robertson Honey, Madrid.

GEO. H. TRIPHAGEN, grain dealer at Sunfield, Mich., has been willed 72 cents by W. J. Allen, payable 10 days after Allen's death. This came about because Allen arrived at the elevator early one morning and finding no one there pinned a note on the door that he wanted a bag of oats and would pay for them 10 days after his death. Allen got the oats and Triphagen now has a certificate of deposit stating that W. J. Allen has placed 72c in the Sunfield bank and that the amount is to be paid Triphagen 10 days after Allen's death.



## Grain Carriers

MUCH GRAIN is being lost from leaky cars.—E. P. Killian, Newberry, Ind.

FOREIGN BUILT VESSELS admitted to American registry since Aug. 18, 1914, number 156 with gross tonnage of 552,495.

SUIT for \$2,000 has been filed at Springfield, Ill., against the I. C. Ry., by E. B. Conover and others of that city, alleging loss of grain in state shipments.

IDLE CARS on Aug. 1 numbered 264,243, compared with 275,636 on July 1 and 196,665 on Aug. 1, 1914. During July idle cars decreased in number 11,393.

THE NATIONAL Industrial Traffic League will hold its next meeting at Toledo, O., Sept. 9 and 10, at which time traffic legislation in the next Congress will be discussed.

INTERSTATE COMMERCE COM'S'N has suspended until Feb. 13 the proposed increased rates of various carriers on grain and grain products from Chicago to eastern seaboard points for export.

THE BALTIMORE Chamber of Commerce has asked the Interstate Commerce Com's'n to compel the Baltimore & Ohio Ry. to reinstate the free time of 4 days on feed, recently reduced to 2 days.

FREIGHT RATES on shipments of corn from Minneapolis to points in California must not exceed the sum of the local rates to that destination according to the latest decision of the Interstate Commerce Com's'n.

THE N. & W. Ry., on Oct. 18, will be given a hearing before the Interstate Commerce Com's'n at Columbus, O., to defend its grain rates from Iron, O., to West Virginia points, which the grain trade at Columbus and Cincinnati consider discriminatory.

INTERSTATE COMMERCE COM'S'N has ordered the C. M. & St. P., the C. B. & Q., and the I. C., to pay the Hynes Elevator Co., and the Cavers Elevator Co., Omaha, Neb., \$700 as reparation for overcharges in rates on shipments of corn from Iowa points to Kansas City.

VAN DUSEN-HARRINGTON Co., Minneapolis, Minn., has been awarded reparation by the Interstate Commerce Com's'n in its suit against the C. M. & St. P. Ry., alleging that a combination of local rates was charged on shipments of corn from Iowa, Nebraska and Minnesota to California.

INTERSTATE COMMERCE COM'S'N will hear arguments Sept. 7 to 13 against the grain rates to and from Minnesota points over the following roads: G. N., C. B. & Q., B. & O., C. M. & St. P., Soo, Canadian Northern, Omaha, C. R. I. & P., C. P., and G. W. Hearings will be held at Minneapolis.

THE CANADIAN PACIFIC, Grand Trunk and the Canadian Northern Railways are tracing all of their 130,000 freight cars, especially those which are in the United States, in an effort to have as many available cars as possible for the vast movement of grain expected within the next three months. Most of the cars have been used regularly, so when returned to the owners they will be in condition for service, but some of the stock has not been moved in eight years, making them valueless for immediate use.

RATES ON ANTHRACITE coal were ordered reduced about 15 cents per ton by the Interstate Commerce Commission in a decision Aug. 12 finding the roads guilty of flagrant violations of the Interstate Commerce Act and urging the department of justice to prosecute several of the carriers.

SUIT has been filed by the Farmers Co-operative Elevator Co., Heron Lake, Minn., to recover \$66.75 alleged to be due for the loss of grain by the Omaha R. R. between Heron Lake and Minneapolis. An additional \$25 is asked as penalty for not paying the claim when presented last September.

MCCAULL DINSMORE & Co., Minneapolis, have complained against the rates on corn from Goldfield, Ia., to Atchison, Kan., alleging that on a recent shipment a rate of 23½¢ per 100 lbs. was charged while there was in effect a combination of local rates, or 14.7¢. A refund of \$71 on former shipments is asked.—P.

MILLING IN TRANSIT of western grain at Minneapolis is provided for in the new tariff of the Soo Line recently filed with the Interstate Commerce Com's'n. The rate is 50¢ per 100 pounds, whether to Minneapolis or Chicago, and is made in competition with the Panama Canal rate from Pacific Coast grain raising states.

COMPLAINTS of the Memphis Merchants Exchange and others against the Illinois Central Ry., alleging discriminatory rates on corn, will be heard before the Interstate Commerce Com's'n at Memphis on Oct. 8. Dealers of Memphis, Henderson and Evansville allege that the present rates are greatly in favor of Cairo, Ill.

GRAIN CARS are being made ready for the new crop at the St. Cloud shops of the Great Northern Railroad. More men are being employed in the shops than for 25 years. Besides the 811 men in the car shops three crews of 57 men each are on the road making minor repairs to the cars so that they will not need to be hauled to St. Cloud.

J. H. TEASDALE COM'S'N Co., St. Louis, Mo., has filed a protest against the receivership of the Wabash Ry., asserting that if a receiver is appointed the claims of the company against the railroad will be forfeited. If the sale is allowed the Teasdale company asks that the reorganized concern be compelled to assume the debts of the former company.

THE A. T. & S. F. Ry. has applied to the California State Railroad Com's'n for permission to increase rates on grain between Los Angeles and Escondido. It asks that the rate between Mateo and Stuart, and intermediate points, be increased from 10 to 11¢ per 100 pounds and between Los Angeles, Ysidro and Fallbrook from 10 to 12½¢ per 100 pounds.

MISSOURI GRAIN rates will be increased approximately 5% under the recent agreement reached by the Public Utilities Com's'n and representatives of the railroads, unless the Interstate Commerce Com's'n opposes the increase. The new rates are practically the same as the old schedule of interstate rates, except that where those rates were unduly high some reductions have been made. The rates are made applicable to E. St. Louis, Ill., without a bridge toll and will absorb switching charges at both origin and destination. The conference at which the rates were agreed upon was also attended by members of the St. Louis Merchants Exchange and the Missouri Grain Dealers Ass'n.

MISSOURI PUBLIC Service Com's'n has been asked by the Kansas grain trade to extend Kansas City, Kan., the same privileges and rates as are accorded Kansas City, Mo. This would give the Kansas city the milling in transit privileges now withheld on grain moving under Missouri statute rates and would permit the market to compete to better advantage with St. Louis on Missouri shipments of grain.

THE SOUTHERN PACIFIC has made a rate on barley and beans in 40 ton minimum lots from San Francisco or other California ports to New York of 40¢ per 100 lbs. The rate covers transportation by rail to Galveston and thence by water to New York. The Interstate Commerce Com's'n has been asked for permission to make the same rate on oats, wheat and rice and a lower rate on alfalfa meal, the minimum of which is now 30 tons.

ALL GRAIN from American or Canadian ports discharged into the elevator at Port Colborne, Ont., for transhipment to Montreal in canal steamers is insured for the protection of the owner against loss by fire for 15 days after grain is discharged. The foregoing notice was issued Aug. 6 to correct a misapprehension, by W. F. Fawcett, superintendent, Port Colborne, Dept. of Railways and Canals. The government does not insure the grain but carries its own risk.

SHIPPERS and the public have known for years that they were being overcharged by the Rock Island System to pay extravagant dividends on watered stock, and on Aug. 17 the Interstate Commerce Commission officially in a decision against that road found the Moore-Reid syndicate guilty of plundering the road and throwing it into a receivership for its own purposes. The Commission found that thru mismanagement the road lost \$20,000,000 actual cash, paid exorbitantly high salaries and that the capitalization grew from \$50,000,000 to more than \$300,000,000.

NASHVILLE HAS LOST in the well known reshipping case, the Interstate Commerce Com's'n on Aug. 17 announcing that the granting of privilege to Nashville and the denial of it to Atlanta and the other complaining cites results in a violation of section 3, and that no showing has been made, under either section 3 or section 4, why the Commission should not enter an order in substantial conformity with the order of June 9, 1911. On December 7, 1914, the Supreme Court of the United States announced its decision reversing the order of the Commerce Court, which order set aside and annulled the order of the Commission in this case, entered on June 9, 1911, requiring the removal of unjust discrimination resulting from the granting to Nashville, Tenn., and the denial to Atlanta and nine other complaining cities in Georgia of the privilege of rebilling or reshipping grain, grain products, and hay transported from the Ohio and Mississippi river crossings or beyond and destined to points in the southeast, at the thru rate from origin to final destination.

ITALY WILL REQUIRE 28,000,000 bushels more of grain before the next harvest, most of which will be purchased in the United States.

UNITED STATES BANKS have a surplus reserve of \$787,000,000 compared with \$41,000,000 at this time last year, which can be used in handling the crop moving situation.—J. S. Williams, Controller of the Currency.



## Crop Improvement Notes.

A MEETING will be held at Olney, Ill., Aug. 9, under the auspices of the local grain dealers and the Olney Commercial Club, to establish a seed center and county farm bureau.

BERT BALL, of the Crop Improvement Committee, has been invited to speak at a joint meeting of the Kentucky Experiment Station and the grain dealers, millers and farmers, at Lexington, Ky., Aug. 21.

M. D. KING MILLING Co., Pittsfield, Ill., has held a number of meetings for the benefit of farmers with whom the company does business. The growers are thus able to get together and compare notes as to which is the most profitable kind and variety of grain to grow. The King Company is a staunch believer in the value of crop improvement work, and realizes that by passing a little of its knowledge on to the farmers profits are increased for all concerned.

BERT BALL will speak and conduct seed comparisons at the Farmers' Picnic, Battle Creek, Mich., August 26, farmers supplying samples for Mr. Ball's work. A fanning mill demonstration, also treatment of seed wheat for smut, has been arranged, a feature which will be conducted all day. Charles W. Ward, secretary of the Battle Creek Chamber of Commerce, will lead a quartette which will render Mr. Ball's propaganda as set to music by him, thus laying emphasis on the more important points of his speech.

THE CROP IMPROVEMENT COM'ITE is conducting a campaign among millers and dealers in an endeavor to find out what has been done towards improvement in their communities. The best thing the millers and dealers are doing is to supply better seed wheat, trading in mongrel varieties bu. for bu.

THE CROP IMPROVEMENT COM'ITE requests that all those having good seed grain, especially wheat and rye, notify the office of the com'ite regarding what they have and price desired. Elevators are urged to take advantage of this service and those desiring proper seed grain are invited to request samples, etc.

THE ST. LOUIS GRAIN CLUB has appointed a seed grain com'ite with Bert H. Long as chairman. The purpose of the club is to locate and disseminate proper seed wheat and rye for fall sowing. In the event of any neighborhoods desiring to cut out mongrel grains the com'ite will be glad to find proper grains. Other grain clubs are urged to join in the movement.

THE LEXINGTON MILLING Co., Lexington, Ky., recently invited 200 farmers to an informal meeting and dinner at the city's principal hotel, asking each man to bring a sample of the wheat he expected to plant for the next crop. The farmers of each community also had one big general sample of the favorite wheat from their section. It was found that while many of the bearded varieties are still popular the farmers of Fayette County have elected to grow only the

Jersey Fultz, a variety from which they obtain from 32 to 36 bushels per acre.

BERT BALL, sec'y Crop Improvement Com'ite, Chicago, has obtained the cooperation of 350 county com'ite men to help him induce growers to stick to the one variety of wheat which is best suited to a community. Before any big improvement is noted it is necessary first to develop local leadership to simplify matters in arriving at the variety best adapted. Then the grain must be placed in physical condition, including the removing of any smut, rust or immature kernels. Grain does not "run out" of itself; it is killed by the enemies within itself, and these Mr. Ball believes would be fewer in number were we not 90% shy in our bird life. This fact is naturally permitting the insect life to gain a stronger footing each year and the county com'ite men are urged to use their efforts in having the field birds restored to their own. The fourth, and most important of the moves for a better and bigger yield of wheat, is the testing for vitality either at the farm, elevator or in the public schools.

## An Attractive Country Elevator.

No one who sees the elevator shown in the engraving can fail to observe that the operators and owners take a pride in their business and are sufficiently interested in the welfare of the community to put up a building that lends value to the surroundings by its artistic design.

The ornamental appearance of the roof is due to the use of Tite-Lock galvanized shingles, with tile ridge rolls and large galvanized finials on each gable end. For railing on the driveway and scales inch and a half pipe is set in the concrete retaining walls. The inside of the office and engine room is finished in beaver board, panelled and nicely painted.

Running up from the office to the cupola is a smokestack of 6-inch tile which has been found very satisfactory and as safe as a chimney. Ordinarily it is very hard to get a stove to burn without smoking the agent out of the office and the problem was solved in this manner. This new elevator is one of the many operated by the T. B. Hord Grain Co., of Central City, Neb., and is situated at Rogers, Neb. The company does its own designing and building, this job falling to the manager, Mr. J. W. Hutchinson, who acquits himself with credit.

The building is 30x40 ft., with 42 ft. of cribbing, having a capacity of 33,000 bus. The loading capacity is 1,800 bus. an hour. All driveways to and from the elevator and scales have reinforced concrete retaining walls. The equipment includes two Challenge Dumps, two stands of elevators with 14x6 cups, automatic 1,500-bu. Richardson Scales in the cupola, 4-ton wagon scales, large receiving separator on the work floor and a 15-h.p. engine.

THE EAST is bare of oats and there will be a good demand for the first run of this grain.—Geo. E. Marcy, pres. Armour Grain Co.

THE ARGENTINE corn crop is now estimated at about 6,000,000 tons, compared with an earlier estimate of 8,592,000 tons. The latter estimate was made on receipts of reports indicating that the yield per acre would reach 32 bus., but it has since been learned that in most sections 18 bus. will be more nearly correct.—Consul Wm. Dawson, Jr., Rosario.



Attractive Elevator of T. B. Hord Grain Co., at Rogers, Neb.



# Grain Trade News

## ARKANSAS

Hope, Ark.—Farmers are forming a stock company to build an elvtr. and 50-bbl. mill.

Green Forest, Ark.—The Green Forest Mill & Elvtr. Co. has absorbed the Green Forest Light & Power Co.

Pine Bluff, Ark.—The Marco Mills have increased their capital stock from \$100,000 to \$120,000 in order to establish a flour mill in connection with their elvtr. The mill will be in operation in 60 days.

Little Rock, Ark.—Work on the new elvtr. of the Weinmann Mfg. Co. will be started Nov. 1. The house will have a capacity of 75,000 bus. with an adjoining warehouse for 75 cars of sacked grain. It is hoped to have the plant completed by Jan. 1. The latest machinery will be installed and sidings will be built to the I. M. and the C. R. I. & P. roads.

## CALIFORNIA

Helm, Cal.—The Summit Lake Lumber Co. has completed a grain warehouse. It is a 64x80 ft. frame structure and will hold 27,000 sacks of grain.—X.

Los Angeles, Cal.—Members of the Grain Exchange held their annual picnic at Balboa Aug. 7. The entertainment committee consisted of D. H. Lillywhite, R. A. George and O. H. Morgan. Launch trips around the bay, games and races on the sands and a banquet and ball in the evening constituted a happy day for all who attended.

Escondido, Cal.—Upon the presentation of evidence showing that he had sold 400 sacks of barley, altho it was mortgaged to Gordon Prentice of San Diego, H. A. Johnson was bound over to the superior court for trial recently after a preliminary examination. Johnson claimed that after the signing of the mortgage an oral agreement was reached which gave him permission to sell the barley to pay expenses on the ranch.

## CANADA

Wheatland, Man.—The Wheatland Elvtr. Co. lost its elvtr. by fire recently. Loss, \$20,000.

Chatham, Ont.—We expect to build an elvtr. and warehouse to handle corn.—Wm. Rennie Co., Toronto.

Dalmead, Alta.—The Western Canada Flour Mills, Ltd., of Calgary, is building 10 grain elvtrs. in different sections of Alberta. In the following towns sites have been selected and building is progressing: Ensign, Kirkaldy, Champion, Fleet and this city. The towns where the other 5 elvtrs. are to be located have not yet been selected. The elvtrs. will have a capacity of 30,000 bus., with flour house in connection. The cost of each elvtr. will be approximately \$6,500. This program of construction will be carried out this year and unless financial conditions prevent larger program may be undertaken next year.

## COLORADO

Padroni, Colo.—The Farmers Union will build an elvtr.

Montrose, Colo.—A 10,000-bu. elvtr. is being erected by the Farmers' Mill & Elvtr. Co.

New Raymer, Colo.—The Crescent Mill & Elvtr. Co. has installed a complete Hall Special Elvtr. Leg.

Sterling, Colo.—Work on the construction of an elvtr. will be commenced by the Farmers Union at once.

New Raymer, Colo.—Omaha and Denver people are interested in the erection of elvtrs. here and at Keota.

La Salle, Colo.—The Longmont Farmers Mfg. & Elvtr. Co., of Denver, is building an elvtr. at this place.

Roggen, Colo.—The Crescent Mill & Elvtr. Co., of Denver, has completed new elvtrs. at this station and at Wiggins.

Hudson, Colo.—The Crescent Mill & Elvtr. Co., of Denver, has bot a building which it has converted into an elvtr.

St. Vrain, Colo.—We are building a 100,000-bu. elvtr. here.—C. W. Nicks, mgr. Longmont Mill & Elvtr. Co., Lafayette.

Akron, Colo.—Edw. T. Lang, Jr., is doing nicely. He is a brand new member of our company, for whom his father is mgr. —Farmers' Mfg. & Merc. Assn.

Denver, Colo.—The Morgan Brokerage Co., with office in this city and Pueblo, closed both offices Aug. 5, making an assignment in favor of Edgar McComb of Denver.

Seibert, Colo.—We have organized and bot the only elvtr. at this station. We are troubled with an occasional scooper. —R. Lowe, mgr. Seibert Farmers Equity Exchange Ass'n.

Craig, Colo.—E. H. Zimmerman, of the Craig Mfg. Co., is interested in the erection of a new elvtr. The mill will be moved to the railroad tracks and work on the elvtr. started at once.

Wray, Colo.—The O. L. Mitten Grain Co. is extensively improving its elvtr., increasing the bin room and putting in new scale and office. We have remodeled and painted our elvtr.—E. W. Lambert, sec'y-mgr. Farmers Grain Co.

Eckley, Colo.—The O. L. Mitten Grain Co. has sold its elvtr. to the Farmers Elvtr. Co., which has incorporated with a capital stock of \$20,000, possession being given Aug. 18. Jim Mason is mgr.—E. W. Lambert, sec'y-mgr. Farmers Grain Co., Wray.

Gove Sta. (no p. o.), Colo.—We are building a 6,000-bu. elvtr., with dump and other equipment, at this station, which is six miles north of Johnstown. It will be managed from the Johnstown office when completed.—Johnstown Mill and Elvtr. Co., Johnstown.

## DISTRICT OF COLUMBIA

Washington, D. C.—Shane Bros. & Wilson Co., of Philadelphia, Pa., has taken over the plant of John S. Cissel Co., grain dealers, and will remodel it.

## IDAHO

Way, Ida.—The W. O. Kay Elvtr. Co. will equip its elvtr. with a complete Hall Special Elevator Leg.

Lewiston, Ida.—The Northern Grain & Warehouse Co., of Portland, Ore., will open a branch office in this city.

Pocatello, Ida.—The Albers Bros. Mfg. Co. has established a branch office here to handle the grain and hay shipments for northern Utah and southeastern Idaho. I am mgr.—O. E. Scott.

Quigley, Ida.—We have just completed a new elvtr. at this station. Our warehouses and an elvtr. at American Falls were built last year.—W. O. Kay, pres. —General mgr. Kay Mercantile Co., Salt Lake City, Utah.

## ILLINOIS

Lawndale, Ill.—The Lincoln Grain Co. is painting its elvtr.

Carmi, Ill.—W. C. Smith has finished the remodeling of his elvtr.

Peoria, Ill.—Fred Mueller is now in the employ of the Mueller Grain Co.

Peoria, Ill.—The Corn Products Co. is installing a larger scale in its plant.

Cairo, Ill.—Thistlewood & Co. are building a 20,000-bu. addition to their elvtr.

Panola, Ill.—I have overhauled my elvtr. at this station.—F. S. Larison, El Paso.

Ridgeville, Ill.—We are installing an electric motor in our elvtr.—Maddin Bros.

Eldena, Ill.—The farmers are organizing a company to erect an elvtr. at this place.

Litchfield, Ill.—Steve Casseday will resume his position as agt. of the Bennet Grain Co.

Cairo, Ill.—John Thistlewood is spending a two weeks' vacation at Sturgeon Bay, Wis.

Cairo, Ill.—The Samuel Hastings Co. has installed an Invincible Grain Cleaner and Separator.

Stockland, Ill.—We have installed a Richardson Automatic Scale.—Lockhart & Chancellor.

Sciota, Ill.—Fahnestock & Rush now operate the elvtr. formerly owned by H. J. Wykle.—X.

Egan, Ill.—The Egan Elvtr. Co. has hired a new mgr. to take the place of M. L. Nobbe.

Roanoke, Ill.—John Schultze is no longer at the elvtr. of R. F. Wrenn and will go to Minnesota.

El Paso, Ill.—I have installed a 10-h. p. General Electric Motor in my elvtr. here.—F. S. Larison.

Herbert, Ill.—Alfred Fowler has equipped his elvtr. with a Hall Signaling Grain Distributor.

Jacksonville, Ill.—J. H. Cain & Sons expect to build an elvtr. and a 250-bbl. mill next spring.—N.

Paw Paw, Ill.—The elvtr. of Sidney H. Warner was struck by lightning Aug. 16 and a small loss resulted.

Pontiac, Ill.—George Brunskill, mgr. of the Farmers' Grain Co., has removed his office to the Sterry Block.

Baileyville, Ill.—The Farmers' Grain Co. and the B. P. Hill Grain Co. will build new elvtrs. within 60 days.

Iuka, Ill.—M. D. Bonebacker is out of the grain business and is now postmaster at this station.—H. D. Holstlaw.

Tonica, Ill.—The Moses Rothschild Co., of Chicago, has bot the elvtr. of J. J. Matern and placed J. H. Hopper in charge.

Lincoln, Ill.—Thieves broke the lock on a grain bin at the elvtr. of the Lincoln Grain Co. Aug. 13 and stole several bus. of grain.

Chester, Ill.—The H. C. Cole Mfg. Co. is placing the machinery in its new elvtr. and mill. The plant will be in operation by Oct. 15.

Symerton, Ill.—The recently incorporated Symerton Farmers' Grain Co. bot the elvtr. of Wm. Murray for \$8,500 and took possession Aug. 2.

Leonore, Ill.—O. B. Wheeler is now operating the elvtr. formerly owned by E. W. Beutke and he has moved to Lstant.—Moon's Bank.

Hillsboro, Ill.—Charles Houck and R. W. Latham, formerly grain buyers at Raymond, Irving and Nokomis, will open a grain office here.

Lane, Ill.—W. P. Day has sold the elvtr. which he recently bot from us to Wm. Lane, who is doing well.—J. C. Boyce, Boyce & Edwards.

Twin Grove, Ill.—Frank Supple is installing a new gasoline engine in his elvtr. and will build a new driveway and make other improvements.

Kaser sta. (Carrollton p. o.), Ill.—E. E. Rousey is mgr. of the Kaser Co-operative Co. which operates a 24,000-bu. elvtr.—Henry Byland, sec'y.

Tolono, Ill.—Fire which started in some waste material in the elvtr. of J. A. Creamer Aug. 8 caused damage amounting to approximately \$200.



Peoria, Ill.—S. C. Bartlett & Co. have established an office in the Board of Trade Bldg. for trading in futures, using Bartlett, Frazier & Co.'s wire.

Decatur, Ill.—The American Hominy Co. has let contract for a 270,000-bu. concrete elvtr. on the Wabash Ry. to the Macdonald Engineering Co.

Heaton Sta. (Hoopeston p. o.), Ill.—E. R. McConnell, mgr. of the Heaton Grain Co. for five years, will resign Sept. 1 and spend the winter in the south.

Pittsfield, Ill.—James Burbridge has sold his hay warehouse to us and we will conduct same, retaining Mr. Burbridge in our employ.—M. D. King Mfg. Co.

Youngstown, Ill.—Bader & Co. will operate the Tucker Elvtr. at this station. They have placed Chas. Raymond in charge.—Geo. A. Tucker, Walnut Grove.

Beaverville, Ill.—We have installed a gas engine, automatic scale, Hall Distributor, manlift, two dumps and a gravity loading spout in our new elvtr.—H. Lambert Co.

Baker, Ill.—The Farmers' Elvtr. Co. is increasing its capital stock and will build an up-to-date elvtr. with a capacity three or four times as large as its present house.

Kent, Ill.—Elmer W. Coomber has succeeded C. H. Parkinson as mgr. of my elvtr. here, Mr. Parkinson having been transferred to Lanark.—R. L. Coomber, Stockton.

Union Grove, Ill.—Work on the new elvtr. for which W. B. Bull recently let contract to the Three Americas Co. is progressing rapidly. The house will be 24x24 ft. and 54 ft. high.

Murphysboro, Ill.—The Southern Illinois Mill & Elvtr. Co. has elected G. W. Wall as temporary pres. to succeed the late William Wall. A permanent pres. will be chosen in September.

Brighton, Ill.—When the remodeling of the Yale Mill, which we recently bot, is completed it will have a capacity of 8,000 bus.—J. H. Merten, prop.-mgr. Brighton Grain, Flour & Feed Co.

Humrick, Ill.—We have installed a Fairbanks-Morse Automatic Scale in our elvtr. at this station. We recently purchased the house from the National Elvtr. Co.—Farmers Elvtr. Co., Ridgefarm.

Huegely, Ill.—We have let contract for a 5,000-bu. steel fireproof elvtr. A steel working tower, steel covered working house, office and driveway will be erected in addition.—Huegely Mfg. Co., Nashville.

Chillicothe, Ill.—The Turner-Hudnut Co., of Pekin, has let contract for a 50,000-bu. concrete elvtr. to replace the house burned July 5. Work will start soon on the elvtr. which will cost about \$20,000.

Beaucoup, Ill.—We will build a 5,000-bu. steel fireproof elvtr. with steel working tower, steel covered office, driveway and working house in connection. Contract has been let.—Huegely Mfg. Co., Nashville.

Brisbane Sta. (New Lenox p. o.), Ill.—Moses Rothschild & Co., of Chicago, have leased the elvtr. of the Frankfort-Spencer Grain Co., which has been closed since Aug. 1. Bert Brown will remain in charge.

Huntertown, Ill.—Dan Stiner, mgr. of the Huntertown Elvtr. Co., while doing some repair work, fell from the top of the elvtr., a distance of 20 ft. He was severely bruised but escaped without other injuries.

Galva, Ill.—M. Shugart Thackaberry, of Sterling, is now connected with the management of the three elvtrs. of the defunct W. A. Fraser Co., acquired last October at trustee's sale by Frank Hefflebower and E. N. Peterson.

Johnson Siding (Lincoln p. o.), Ill.—Spellman & Co. have let contract for an elvtr. to replace the one destroyed by fire July 9. The new house will be similar to the old one, with the same capacity and will cost about \$7,000. Work has been started and the elvtr. will be finished before Oct. 1.

McLean, Ill.—Darnell & Spence have their new fireproof elvtr. completed. The building is white and is very attractive in appearance. The Aldrich Grain Co. is laying the foundation for its new elvtr. which replaced the one burned recently.

Dorsey, Ill.—The Sparks Mfg. Co., of Alton, has leased the elvtrs. of the Litchfield Mill & Elvtr. Co. at this station. Moro and Bethalto. John G. Burgess has been appointed overseer for the elvtrs. at Moro and Bethalto to take the place of J. V. Apple.

Rockton, Ill.—Moore & Gayton have closed their elvtr. on account of being unable to take up some notes held by the bank. A voluntary petition in bankruptcy has been filed and a receiver appointed. Assets are given as \$18,727.39, with liabilities of \$26,119.37.

Holmes Siding (Delavan p. o.), Ill.—Our new 20,000-bu. elvtr. has been completed and George Volk is mgr. This house is managed from our office at Delavan and all mail should be addressed there.—H. B. Price, sec'y-mgr. Farmers Elvtr. Co. of Delavan, Delavan.

Highland, Ill.—We enlarged our Elvtr. "A" to take care of a Hess Grain Drier which we installed several weeks ago and which has been running since. Other than this drier, with necessary elevating machinery, we did not make any changes.—Highland Mfg. Co.

Lanark, Ill.—I have leased the elvtrs. of Wolf Bros. & Rowland at this station and will operate them in connection with my elvtrs. at Kent and Stockton as R. L. Coomber. C. H. Parkinson, who was formerly mgr. at Kent, will be in charge here.—R. L. Coomber, Stockton.

Viola, Ill.—The recently incorporated Farmers Grain & Supply Co. has let contract for its new elvtr. to Saathoff & Amacher. Work will be started at once and will be completed in about a month. The office will be level with the dump. An automatic scale will be installed.

Heyworth, Ill.—We are building a 20x25 ft. office and a 13x28 ft. motor room under one roof. It will be of concrete, the office having hard wood floors, painted walls and ceiling, wood stained and varnished, and will be up-to-date in every way.—E. C. Hollis, agt. Hasenwinkle Grain Co.

Walnut Grove, Ill.—Bader & Co. have leased the elvtr. of Winfield Rexroat, formerly owned by Arthur Ford. They will now use both elvtrs. here and the Tucker Elvtr. at Youngstown. Mr. Bader has also bot the residence of H. M. Farr and will move his family from Astoria to this city.—Geo. A. Tucker.

Taylorville, Ill.—The Taylorville National Bank has filed suit for \$15,000 against William Loveless, a grain dealer, for the recovery of money borrowed on a promissory note secured by mortgages on land and lots in this county. On December, 1914, the defendant paid the interest on the note to that date, \$675, and paid \$551.51 of the principal.

Wellington, Ill.—Fire which is supposed to have originated from a hot box in the machinery completely destroyed the elvtr. of Samuel M. Lockhart Aug. 17. The total loss on the building and contents is about \$15,000 with insurance at \$12,000. The house contained about 600 bus. of corn and 1,500 bus. of oats. The elvtr. will be rebuilt at once.

Croft Sta. (Fancy Prairie p. o.), Ill.—Charles Zinsmeister, who has been buying grain here, Aug. 10 took Bs/L for three cars of wheat to a Springfield bank and secured a draft for \$3,650, which he deposited later the same day in a St. Louis bank and then drew therefrom \$1,600. He has disappeared and no word of his whereabouts has been received. He was mgr. of the Middletown Grain & Coal Co. for a number of years but has been buying on his own account for the last two years. He wrote a couple of days later from Decatur stating that his financial embarrassment was due to the failure of a firm there to whom he sold grain.

Emery Sta. (Macon p. o.), Ill.—Work has been started on the new elvtr. two miles north of this station on the electric road. Wm. McGuire will operate the house when completed. A Boss Air Blast Car Loader will be installed.

Gays, Ill.—The loss on the elvtr. of the Morris & Stone Co., burned Aug. 4, amounted to \$15,000 and was fully covered by insurance. The fire was discovered at 12 midnight and nothing could be done to save the house. Little grain was stored in it as farmers have been delayed in delivery on account of wet weather. Chas. Ozee was mgr. The elvtr. was purchased last spring from N. A. Treat & Co. The origin of the fire is still unknown. A new building is being erected south of the right-of-way of the Big Four and on ground belonging to the company. The contract for the foundation has been let, but the company will not contract the building but will erect the house itself. It will have receiving capacity of 1,200 bus. an hour. The building will be frame, covered with sheathing. A spur track will be built to the elvtr.

## CHICAGO NOTES.

CHICAGO CALLERS: C. T. Hamilton, New Castle, Pa.; W. F. Cook, La Crosse, Ind.

Mrs. Alice G. Randall, wife of Charles Randall, a member of the Board of Trade, was killed Aug. 12 in an automobile accident.

Jed W. Pearson, of Evansville, Ind., was expelled from membership in the Board of Trade, Aug. 10, for alleged dishonest dealings.

Ed A. Praeger is still traveling for J. P. Griffin & Co. and not for Carhart, Code, Harwood Co., as reported in this column Aug. 10.

Frank Liepfeldt, a bricklayer, was instantly killed Aug. 17 when he fell from the third floor of the warehouse of the Columbia Malting Co.

W. O. Mumford, formerly with W. R. Mumford & Co., well known in the grain and hay receiving business and a member of the Board of Trade, died Aug. 22, aged 46 years.

Ferdinand A. Mosher, grain broker at Terre Haute, Ind., has been summoned to appear before the directors of the Board of Trade to answer charges of uncommercial conduct.

Seven helpers and 12 samplers who were not required to take an examination when the civil service act went into effect in 1911 have been ordered to take the test to prove their efficiency.

John H. Ashum, formerly with Walter Fitch & Co., and Chas. B. Slade have formed a partnership and will do a receiving and general grain business and will operate as Ashum, Slade & Co.

Edward W. Flanagan, formerly principal wheat trader for Logan & Bryan, is again associated with the firm as principal corn trader. He has been admitted to membership in the Board of Trade.

Samuel Phillips, who has been the rye and seed expert for Rosebaum Bros. for a number of years, will leave this city and move to Minneapolis, Minn., where he will take care of that end of the grain business for the Kasota Elvtr. Co.

The Keusch & Schwartz Co., Inc., transferred all its open trades in grain futures to A. O. Slaughter & Co., Aug. 13, and will devote its energies to its export trade exclusively, the heads of the firm stating that the futures took up too much of their time.

The Cairns Grain Co. has been organized with James E. Cairns, formerly with Keusch & Schwartz Co., as pres. The new company will have offices in the Postal Telegraf Bldg. and will do a general cash grain business, in addition to which it will specialize in c. i. f. brokerage. Private wire connections will be maintained between Chicago and New York.



The contents of three bins in South Chicago Elevator C and Annex, amounting to 9,900 bus. No. 2 mixed corn were posted Aug. 10 as out of condition and heating. The corn will be delivered to holders of receipts Nos. 2689 and 2760, issued Dec. 3 and Dec. 7.

G. S. Mann expects to complete the remodeling of his plant by Sept. 1. It was formerly a brewery. Mr. Mann will have three stories floored with screens and will put in a large Invincible Cleaner to handle a carload of grain per hour. The plant will be specially equipped to cool hot grain.

W. H. Foster and Milton L. Cushing have applied for membership in the Board of Trade. Edward W. Flanagan has been admitted to membership and the memberships of Samuel Phillips and the estate of Thomas D. Foster have been posted for transfer. Memberships are quoted at \$2,900 net to buyer.

To pay employes of the state grain inspection department and the Illinois Public Utilities Commission pending the settlement of the Munro injunction suit, W. L. O'Connell, chairman of the Commission, has negotiated a loan from two banks, giving his personal note for the amount, the employes assigning their warrants to him.

W. H. Perrine & Co., who have long had a heavy cash grain business in that territory, in order to give better service to their patrons have leased a private wire between Chicago and St. Louis and will open correspondent's offices at the principal cities, such as Bloomington, Jacksonville, Decatur, Clinton, and Springfield. R. I. Mansfield will have charge of the future delivery business while Mr. Perrine and H. F. Harvey continue to devote their attention to the cash grain business.

J. S. Brown, manager of the transportation department of the Board of Trade, has obtained a concession from the Illinois Central Railroad that is very gratifying to the grain receivers at the Chicago market, in an absorption of switching charges on grain in the Chicago district effective Aug. 23. Mr. Brown in Bulletin 351 details the disposition of shipments entitling the shipper to absorption. When grain is delivered to elevators, mills, warehouses or other industries or side-tracks on the so-called western roads, the switching charges will be absorbed by the Illinois Central Railroad at the time of delivery, thus obviating the tying up of funds until final disposition of the grain is made. The concession made by the Illinois Central Railroad under which it assumes all the switching charges in the Chicago District on grain reshipped via lake or to non-transit points beyond the Chicago District, or disposed of locally within the Chicago District, is of great importance to this market.

## INDIANA

Greenfield, Ind.—New & Cook have completed a new elvtr.

Syracuse, Ind.—I am pres. of the Syracuse Elvtr. Co.—A. W. Strieby.

Radley, Ind.—The Woodbury-Elliott Grain Co. is installing a feed grinder.

Washington, Ind.—The Millers' and Grain Dealers' Ass'n held its monthly meeting here Aug. 19.

Ossian, Ind.—C. F. Davison will open his elvtr. soon with one or both members of Beaty Bros. in charge.—O.

Earl Park, Ind.—Work on the new concrete elvtr. of Wilson & Barr has been delayed on account of the rain.

Franklin, Ind.—Thieves broke into the office of the Dunlap-Vandagriff Elvtr. Co. recently but nothing of value was taken.

Rockport, Ind.—The safe in the office of the elvtr. of the Rockport Mfg. Co. was blown open Aug. 10 and about \$100 taken.

Quinn Siding (Walkerton p. o.), Ind.—We have increased the capacity of our elvtr. to 10,000 bus. The Efficient Erecting Co. did the work.—B. I. Holser & Co., Walkerton.

Gas City, Ind.—The Gas City Elvtr. Co. has the feed grinding machinery, in connection with its new elvtr., in operation.

Kempton, Ind.—We are organizing a farmers' elvtr. company and are trying to buy the elvtr. here.—D. W. Zintsmaster, Huntington.

Newberry, Ind.—S. M. Ratcliff is not operating the elvtr. at present which he recently acquired from M. E. Hindman.—E. P. Killian.

Monterey, Ind.—L. J. Hoesel, prop. of an elvtr. at Leiters, has obtained the elvtr. of Clark & Will for 160 acres of land in southern Illinois.

Marion, Ind.—The Elevator Coal Co. will build a 30,000-bu. elvtr. for the storage of oats. Excavation has begun and the construction will be rushed.

Jamestown, Ind.—James F. Teague, general mgr. of the Jamestown Mfg. Co., has filed a petition in bankruptcy with assets at \$4,234.30 and liabilities, \$10,220.

Ligonier, Ind.—The Farmers' Elvtr. & Supply Co. has its new 40,000-bu. elvtr. about completed. The iron siding is being placed and the machinery installed. The house will be opened in a week or 10 days.

Pennville, Ind.—Henry Engeler, son of William Engeler, prop. of the Pennville Elvtr., while playing in a bin of shelled corn in the elvtr. Aug. 17 sank under the corn, while it was being drawn into the chute, and was smothered.

Linnsburg, Ind.—The basement of the elvtr. of Myers Bros. is filled with water caused by the setting of a telegraph pole on a sewer and smashing in the tile. Efforts are being made to keep the water from doing serious damage.

Terre Haute, Ind.—Mosher & Co., grain dealers, were caught in the rise in September oats which advanced 10 cents in one week. Ferd Mosher, principal stockholder and mgr., will reorganize the company and affiliate with a new house.

Elwood, Ind.—A young man, giving his name as Jacobs, is alleged to have taken a load of wheat to an elvtr. here and received \$86 for it and then left. He was given work when he appeared as a stranger on the farm several months ago.

Logansport, Ind.—A. L. Jones will begin work on a new elvtr. and warehouse on the river front. A switch, which will tap the Wabash R. R. tracks, will be put in at once. C. A. Stevenson, of the Stevenson & Berger Grain Co., of Frankfort, has made a proposition to lease the elvtr. when completed.

Evansville, Ind.—Jed W. Pearson, who has been engaged in the grain commission and bond business at this point for the last seven years, is alleged to have embezzled \$20,000 of his clients' money and disappeared June 12. On that day he announced that he was making a southern trip. Most of his creditors are old friends who have known him since boyhood. He was formerly telegraph operator for Logan & Bryan of Chicago, and when he came to this city was correspondent for Thompson Grain Co., of Indianapolis, and at the time he disappeared was correspondent for Thompson & McKinnon, Chicago. He returned Aug. 22 and promises to pay all claims.

Culver, Ind.—The grain dealers and millers of Indiana will hold their annual summer outing at Lake Maxinkuckee under the auspices of the Indiana Grain Dealers' Ass'n, with headquarters at the Palmer House. No business will be transacted, the time being devoted almost exclusively to entertainment, which will be ample and varied. Fishing, boating, swimming, launch riding, tennis, moving pictures and the free use of the extensive grounds of the Culver Military Academy are among the attractions which are practically reserved for the grain dealers, as this beautiful lake is not a crowded resort. Grain dealers and millers are urged to take their families and friends with them for an outdoor picnic where each and all can enjoy themselves freely. Remember the dates, Sept. 4, 5 and 6.

## INDIANAPOLIS LETTER.

We have done nothing so far toward building an elvtr.—H. E. Kinney & Co.

Kavanaugh Broom Corn Co. organized; capital stock, \$15,000; organizers, M. H., M. O. and C. J. Kavanaugh.

E. L. Donahue has been chosen a member of the governing com'te of the Board of Trade, taking the place of Dr. James H. Taylor, who was recently elected vice-pres.

T. S. Blish, of Seymour; Robert Bell, of Lafayette; Clarence B. Cutsinger, of Edinburg; L. C. Ewing, of Louisville, Ky., and W. A. Lamson, of Chicago, Ill., have been admitted to membership in the Board of Trade.

Edwin K. Shepperd, as trustee in bankruptcy of the estate of Paul VanLeunen, bankrupt grain dealer of this city, filed suit in the United States District Court at Cincinnati, O., Aug. 10, against VanLeunen and his wife, Mrs. Doris VanLeunen, for the recovery of property at Mt. Washington, near Cincinnati, O., title to which is said to be held by Mrs. VanLeunen. The VanLeunens reside at Mt. Washington, but VanLeunen recently came here to engage in the grain business. He went into voluntary bankruptcy. The transfer of the Mt. Washington property, said to be valued at \$8,000, to Mrs. VanLeunen is said to have been made in 1913.

## IOWA

Ollie, Ia.—The Ollie Grain Co. is repairing its elvtr.

Seymour, Ia.—Wilson & Ware are operating their new elvtr.

Manning, Ia.—The Jacob Ohde Grain Co. has completed its new elvtr.

Conway, Ia.—We have completed our 10,000-bu. elvtr.—Cooper Grain Co.

Little Rock, Ia.—The Stockdale-Mack Grain Co. has reshingled its elvtr.

Brayton, Ia.—Hans Hansen, of Exira, is now agt. of the E. Rothschild Co.

Duncombe, Ia.—The Farmers' Co-operative Elvtr. Co. will build a new office.

Hinton, Ia.—Jack Webber will work in the elvtr. of the Edmonds-Londergan Co.

Dysart, Ia.—The Tama-Benton Grain Co. has treated its elvtr. to a coat of paint.

Blairtown, Ia.—The Blairtown Grain Co. is now operating its recently completed elvtr.

Dow City, Ia.—Roy McBride has succeeded W. H. Rule in the elvtr. of H. Scott.

Mount Ayr, Ia.—The new modern office of the Iowa-Missouri Grain Co. is completed.

Leon, Ia.—The new elvtr. of the Bid-dison Coal & Grain Co. has been completed.

Primghar, Ia.—D. C. Peck has built a new approach and is putting his elvtr. in repair.

Elliston, Ia.—Improvements in the elvtr. of the O. A. Talbott Co. have been completed.

Belmond, Ia.—Bridge & Leonard, of Chicago, Ill., have established a branch office here.

Waverly, Ia.—Simpson & Albright have started operation in their recently completed elvtr.

Luther, Ia.—Mr. Brown, agt. of the Neola Elvtr. Co., has returned from a visit to California.

Des Moines, Ia.—C. J. Ristvedt is now representing Sam Finney, with E. Lowitz, at this place.

Turin, Ia.—I have succeeded S. A. McMasters as mgr. for the Turin Grain Co.—S. P. Stark.

Lena Sta. (Gowrie p. o.), Ia.—The Clark Brown Grain Co. has bot the elvtr. of the Lena Elvtr. Co.

Oyens, Ia.—Sam Lassen is now mgr. and Mike Gengler ass't mgr. of the Oyens Co-operative Elvtr. Co.



Purdy, Ia.—B. A. Kenney has built a grain warehouse and engaged in the grain and stock business.

Maple River, Ia.—Ben A. Pille has taken possession of the elvtr. which he recently bot from F. A. Hermesen.

Redding, Ia.—G. E. Griffith will have charge of the new 40,000-bu. elvtr. of the Iowa-Missouri Grain Co.

Eleanor Sta. (Parkersburg p. o.), Ia.—John Miller is now working in the elvtr. of the Eleanor Grain Co.

Corley, Ia.—Wright & McWhinney are repairing their elvtr., raising the piers and putting in cement piling.

Langdon, Ia.—De Wolf & Wells are repairing their office and scales and making other necessary improvements.

Lohrville, Ia.—The new elvtr. of the Farmers Elvtr. Co. will have a capacity of 26,000 bus. and will cost \$6,300.

Kenwood, Ia.—The Neola Elvtr. Co. has put a cement foundation under its elvtr. and is now building a driveway.

Letts, Ia.—A. M. Garrett, of Garrett Bros., died Aug. 15. He had been in the grain business for the past 40 years.

Lake Mills, Ia.—E. A. Berven, of Lyons, S. D., has been selected as mgr. of the new elvtr. of the Farmers Elvtr. Co.

Sioux Rapids, Ia.—The Quaker Oats Co. has completed its new elvtr. The Younglove Construction Co. had the contract.

Humboldt, Ia.—The Farmers Elvtr. Co. has let contract for a new elvtr. to the Burrell Engineering & Construction Co.

Thor, Ia.—The old elvtr. of the Farmers Elvtr. Co. is being razed to make room for the one for which it recently let contract.

Sewal, Ia.—I am mgr. for Martin Liggett here, Mr. Liggett having gone to Seymour to manage his new elvtr. there.—A. A. Andrews.

Atkins, Ia.—V. C. Carlson, formerly mgr. of the Palo L. S., Grain & Lumber Co., at Palo, is now mgr. of the Atkins Grain Co.

Beaman, Ia.—Frank M. Myers, mgr. of the Farmers Elvtr. Co., was married recently to Miss Georgia M. Randall, of Warren, Ill.

Cedar Falls, Ia.—The Waterloo & Cedar Falls Union Mill Co., operating an elvtr., is building two dams to conserve its water power supply.

Buck Grove, Ia.—Paul Schoning is now in possession of the elvtr. he recently bot of the Neola Elvtr. Co. and is making needed repairs.

Corwith, Ia.—Paul Culp, formerly with the Bowles-Billings-Kessler Grain Co. at Algona, is now working in the same company's elvtr. here.

Davenport, Ia.—The Western Flour Mill Co. has spent about \$20,000 recently for a new warehouse, sack room and a modern ventilating system.

Dows, Ia.—The Farmers Elvtr. Co. is building a 36x20 ft. feed warehouse of hollow clay blocks. A manlift has been installed in the elvtr.

Galva, Ia.—The Tiedeman Elvtr. Co. has sold its elvtr. to the Farmers Union Elvtr. Co., which will operate it in connection with its present house.

Rockwell City, Ia.—The Farmers Elvtr. Co. will install a Challenge Dump in its elvtr. I have been retained as mgr. for the coming year.—S. J. Wills.

Vinton, Ia.—Thieves broke into the elvtrs. of Spike & Co. and the Farmers Grain & Co-operative Co., but did not succeed in stealing anything.

Fostoria, Ia.—The Fostoria Elvtr. Co. will make a change in its mgr., Mr. Jarvis having resigned, effective Oct. 1.—M. Olson, agt. Hunting Elvtr. Co.

Neils Sta. (Forest City), Ia.—The Bowles-Billings-Kessler Grain Co. has bot the elvtr. of the Western Elvtr. Co. and has placed Chris Shuttle in charge. Bert L. Cox, former mgr., has removed to Chatsworth.

Davenport, Ia.—The Merchants Elvtr. Co. has leased the large grain storage tanks of the Corn Products Co. which have not been in operation for a year.

Chatsworth, Ia.—The Hunting Elvtr. Co. will repair the elvtr. which it recently purchased from D. K. Bennett. W. R. Powers will be in charge temporarily.

West Bend, Ia.—The West Bend Elvtr. Co. is building 16x60 ft. coal sheds. The company took over the elvtr. of W. E. Reed July 1.—W. M. Kirkwood, mgr.

Storm Lake, Ia.—Fire was discovered in the elvtr. of Geo. A. French recently. It was quickly extinguished without much loss as the building contained no grain.

Havelock, Ia.—The Quaker Oats Co. is building an annex to its elvtr. which will be filled and emptied by conveyors. The Younglove Construction Co. has the contract.

Colwell Sta. (Charles City p. o.), Ia.—The 20,000-bu. elvtr. of the Colwell Grain Exchange has been completed by the Younglove Construction Co., which had the contract.

Stanhope, Ia.—The new 15,000-bu. annex to the elvtr. of the Quaker Oats Co. has been completed and the elvtr. rebuilt by the Younglove Construction Co., which had the contract.

Persia, Ia.—Joe Clark, agt. for Wright & McWhinney, crushed one of his fingers while working around the engine in the elvtr. It will probably be necessary to amputate it.

Lake Mills, Ia.—Rasmussen & Bratrud have dissolved partnership in the elvtr. business. Mr. Rasmussen will hereafter conduct the elvtr. and Mr. Bratrud will handle live stock.

Palo, Ia.—John Weiland, of Klemme, is now mgr. and Glenn Elson ass't mgr. of the Palo L. S., Grain & Lumber Co., succeeding J. F. Yates and V. C. Carlson, who recently resigned.

Marshalltown, Ia.—I have purchased an interest in the elvtrs. of B. L. Cook at this point and at Le Grand. We will operate as Cook Bros.' Grain Co.—E. B. Cook, formerly at Wapello.

Mapleton, Ia.—We have commenced to handle grain, coal and lumber. We are building a new shed and will erect an elvtr. next season.—E. O. Wilson, pres. Farmers Grain & Lumber Co.

Ruthven, Ia.—Will Laton has assumed the management of the Farmers Elvtr. Co., succeeding Fred Gleason, who is now managing the lumber business of the Farmers Elvtr. Co. at Gillett Grove.

George, Ia.—L. B. Spracher & Co., of Sibley, have completed a 20,000-bu. up-to-date elvtr., covered with galvanized iron. A 10-h. p. Fairbanks Oil Engine was installed. The Younglove Construction Co. had the contract.

Fort Dodge, Ia.—A local meeting of the Western Grain Dealers Assn. was conducted in this city by Secy. George A. Wells with about 60 dealers in attendance. Reinspection and discounting at terminal markets was discussed.

New Sharon, Ia.—The frame work on the main section of the new elvtr. of Neill & Momyer has been completed by the Temple-Williams Co., which has the contract. Most of the machinery has arrived and is being placed in position.

New Market, Ia.—On account of the apparent grain shortage J. S. Harris, Chas. Hipsley and J. M. Moneyhan, the three grain dealers here, have merged their interests and have formed the New Market Grain Co., with J. S. Harris as mgr.

Chatsworth, Ia.—E. L. Dailey, mgr. for the Farmers Eltr. Co., is still in a critical condition from the effects of a knife thrust inflicted by himself. He attempted to stab himself to the heart, but only punctured his lung. It is rumored that there is a shortage of from \$3,000 to \$7,000 in his accounts. Application for a receiver for the company has been made. The elvtr. will be sold and the affairs of the company settled.

Coon Rapids, Ia.—We have raised the cupola on our elvtr. 10 ft. and have installed a 1,250-bu. Richardson Automatic Scale, new distributing and loading spout, new rope drive and have painted the elvtr.—E. W. Timme, mgr. Farmers Elvtr. Co.

Sioux City, Ia.—Grain dealers, members of the Western Grain Dealers' Assn., convened at the Commercial Club Aug. 10. The meeting was conducted by Secy. George A. Wells. About 50 persons, including several railroad representatives, attended.

Primghar, Ia.—Work is being rushed on the new 45,000-bu. elvtr. of the Farmers Mutual Co-operative Co. by the Younglove Construction Co., which has the contract. A 2,250-bu. Richardson Automatic Scale and a 5-ton Fairbanks Dump Scale will be installed.

Hinton, Ia.—Robbers forced the doors of the offices of the Atlas Elvtr. Co., the Edmonds-Londergan Co. and the Farmers Elvtr. Co. The interior of the offices was damaged and a few tools taken from the Atlas Elvtr. Co., but nothing of value was gone.

McIntire, Ia.—We have repaired our elvtr. and have moved the old Ober-Kingsbury Elvtr. and joined the two houses. A new office has been built and a Fairbanks-Morse Engine installed. We are now ready for the new crop.—Agt. Cargill Grain Co.

Ayrshire, Ia.—M. J. Conry has let contract for an up-to-date 20,000-bu. elvtr. to the Younglove Construction Co. Equipment includes a 2,000-bu. Richardson Automatic Scale, manlift and rope transmission. He will operate his old elvtr. until the new house is finished, Oct. 1, when he will wreck it and build new coal sheds.

Atlantic, Ia.—A. A. Mickel, who owned the frame elvtr. recently destroyed by fire, will commence at once the erection of a concrete elvtr., which he has leased for a term of years to Nelson & McCaustland. He expects to have the new house finished by Oct. 1. Mr. McCaustland has been in the grain business at Lorah for a number of years.

Strahan, Ia.—We sold our 8,000-bu. elvtr., lumber, hardware and implement business to the Strahan Lumber & Hardware Co. June 1 and bot the elvtr. and coal business back June 15. We have been in the grain business here for 37 years and operate elvtrs. at Clark, Malvern and White Cloud.—E. C. Kayton, mgr. Salyers & Kayton.

Libertyville, Ia.—We have bot and taken over all interest in the elvtrs. at this station and Bernhart, formerly owned and operated by Clyde Morley. We now operate them in connection with our elvtrs. at Stockport, Hillsboro, Eldon, Douds, Selma, Agency, Belknap, Perlee, Beckwith and Glendale. Our general office will be at this city.—Yost & Workman.

Jewell, Ia.—Wm. Dopp, of Lamont, who recently bot the elvtr., coal and lumber business of the Pfund Lumber Co., sold the business to John King, who in turn sold the grain and coal business to Thos. Thompson, a farmer. Mr. King retains the lumber business. Mr. Thompson assumes possession of the elvtr. and coal business and will take charge at once.

Riceville, Ia.—Leary & Gilchrist expect to begin the construction of an up-to-date 40,000-bu. grain elvtr. and seed warehouse to be used for receiving and cleaning grain in transit from the Twin Cities and northwest. J. G. Leary, who will be the agt. in charge, has been buying grain here for several years. He is also interested in warehouses at Dumont, Ia., and Rose Creek, Minn.

Seymour, Ia.—The new elvtr. of Milton Liggett at this point has a capacity of 15,000 bus. and is operated by electricity. It is equipped with the latest machinery and is one of the most up-to-date elvtrs. in this part of the state. Mr. Liggett is in personal charge of the new house. He weighs about 225, but is a live wire and a crack shot.—A. A. Andrews, mgr. for Milton Liggett, Sewal.



Grinnell, Ia.—Willson & Harris have succeeded Willson & Hastings, N. M. Harris having bot the interest of W. C. Hastings in the business and a half interest in the elvtr. He was formerly in the grain business at Montezuma and has owned an interest in several other elvtrs.

Scranton, Ia.—We have replaced our old wood driveways with cement abutments filled in with dirt. We have also installed a 10-h. p. motor and our new coal house will have a cement floor and will be 14x72 ft. and 12 ft. high. The cement warehouse will be 14x28 and 12 ft. high.—J. A. Miles, mgr. Farmers Elvtr. Co.

Marion, Ia.—J. R. Timms, asst. mgr. of the Farmers Elvtr. Co. at Alburnett, has succeeded B. L. O'Neil, who resigned as mgr. of the Farmers Elvtr. Co. before the elvtr. was completed. The elvtr. has now been finished by the Newell Construction Co., which had the contract. A large feed warehouse is now being built.

Britt, Ia.—Mullin & Rawson have let contract for a 20,000-bu. elvtr. to the Newell Construction Co. to replace the house burned Aug. 3. It will be covered with galvanized iron and will be operated and lighted by electricity. A 12x22 ft. office will be built and a 22x20 ft. feed warehouse in addition. Work will commence at once so as to have the house completed by Sept. 15.

## KANSAS

Jennings, Kan.—J. B. Jennings is overhauling his elvtr.

Ness City, Kan.—Floyd & Holdredge will install a King Car Loader.

Dresden, Kan.—J. C. Aker is now agt. of the C. E. Robinson Grain Co.

Ford, Kan.—The Farmers Equity Exchange has a new 12x14 ft. office.

Piper, Kan.—James Glenn has bot my elvtr. at this place.—F. M. Darby.

Chapman, Kan.—Jas. Sheerin is now mgr. of the Chapman Mill & Elvtr. Co.

Moline, Kan.—Webb & Walker have installed an electric motor in their plant.

Fowler, Kan.—The Albertson Grain Co. will hereafter operate the Fowler Elvtr.

Floris Sta. (no p. o.), Kan.—G. S. Miller has let contract for a 10,000-bu. elvtr.

Hope, Kan.—The proposition to build a farmers elvtr. has fallen thru.—Emil Brunner.

Plains, Kan.—The Plains Equity Exchange will install a Boss Air Blast Car Loader.

Blakeman, Kan.—E. L. De Bord has purchased a Hall Signalling Grain Distributor.

Wakeeny, Kan.—G. E. Hopper will install a Hall Signaling Grain Distributor in his elvtr.

Munden, Kan.—The elvtr. of E. A. Fulcomer, of which John Kelly is mgr., has been repaired.

Tasco Sta. (Guy p. o.), Kan.—F. A. Shields, of Hope, is building an elvtr. here.—Don R. Crum.

Haven, Kan.—We are not putting up storage tanks as was recently reported.—Haven Mills Co.

Sabetha, Kan.—We have increased our capital stock from \$50,000 to \$60,000, fully paid up.—Derby Grain Co.

Wakeeny, Kan.—Work has begun on the foundation for the new 32,000-bu. elvtr. to be built for Mr. Schrenkler.

Wright, Kan.—The Grain Belt Elvtr. Co. has equipped its elvtr. with a Hall Signaling Grain Distributor.

Yocemento, Kan.—We are building a 25,000-bu. concrete elvtr. with hopper scales.—W. J. Madden, Hays City.

Coffeyville, Kan.—P. Wilson will have charge of the elvtr. of the Hall-Baker Grain Co. which has been reopened.

Salina, Kan.—The grain dealers have established the Board of Trade in the Farmers National Bank Bldg.

Neodesha, Kan.—We are making minor repairs in our elvtr. in preparation for the new crop.—Bauman Grain Co.

Arma, Kan.—Masquelier & Salvini have bot the wholesale grain, flour and feed business of the Mahan Grain Co.

Pratt, Kan.—I will operate the elvtr. of Geo. R. Smith under lease as J. H. Magruder & Co.—J. H. Magruder.

Lorraine, Kan.—The Lorraine Grain, Fuel & Stock Co. is installing a Hall Signaling Distributor in its new elvtr.

Manhattan, Kan.—The belt in the elvtr. of the Manhattan Mlg. Co. was damaged recently during a heavy rainstorm.

Wilson, Kan.—M. Latshaw will not sell his 14,000-bu. elvtr. We are now operating it under lease.—B. W. Kyner Co.

Homer, Kan.—The Shellbarger Mill & Elvtr. Co. is interested in the 10,000-bu. elvtr. now being built at this station.

Calvert, Kan.—I sold my elvtr. to the C. E. Robinson Grain Co., of Salina, but still hold the management.—H. S. Bryant.

Gaylord, Kan.—The Farmers Union has bot the elvtr. of Nye & McMillan and will build a coal shed with cement foundation.

Grainfield, Kan.—Contract has been let by the Farmers Business Ass'n for a 20,000-bu. up-to-date elvtr. to be completed Sept. 30.

Studley, Kan.—I have assumed the management of the elvtr. of W. J. Madden at this station.—James Borin, formerly at Stockton.

Kiowa, Kan.—Ed Hagenmaster is now mgr. of the Farmers Grain & Mercantile Co., which has been recently formed to operate an elvtr.

Gardner, Kan.—J. B. Ward has installed a 40-h. p. Fairbanks-Morse Gas Engine to take the place of his steam plant.—Ward & Mowrey.

Tonganoxie, Kan.—H. J. Walter, of Hutchinson, has succeeded H. L. Kuncce, who recently resigned as mgr. of the Kemper Mill & Elvtr. Co.

Beloit, Kan.—The Beloit Mlg. Co. has completed the 60,000-bu. reinforced concrete grain storage which it has had under construction for some time.

Hoxie, Kan.—No site has been secured and nothing definite has been done in regard to the proposed elvtr. of the Farmers Elvtr. Co.—E. T. Crum.

Bedford, Kan.—Ed Hoyer is now mgr. for the Stafford Grain & Supply Co. at this station.—G. H. Immer, sec'y-mgr. Hudson Grain & Supply Co.

Hopewell sta. (Haviland p. o.), Kan.—E. D. Clark will manage the elvtr. of the Hopewell Co-operative Equity Exchange which will soon be in operation.

Centralia, Kan.—The Farmers Union Elvtr. Co. has installed a new motor and is now operating the elvtr. which it recently leased from Fisher & Son.

Cedar, Kan.—Mr. Hammond, formerly mgr. of the Farmers Union, was killed recently while starting the engine. I took possession Aug. 1.—Jack Bane, mgr.

Hutchinson, Kan.—The new machinery has been installed in the 150,000-bu. annex recently completed by the Wm. Kelly Mlg. Co. and the house is now in operation.

Coffeyville, Kan.—The Rea-Patterson Grain Co. has completed its new 350,000-bu. reinforced concrete elvtr. The MacDonald Engineering Co. had the contract.

Milo, Kan.—We have leased the 5,000-bu. elvtr. of the Morrison Grain Co. C. P. Saunders is pres. and Chas. Swank, sec'y.—J. W. Personett, mgr. Farmers Elvtr. Co.

Baker, Kan.—The Farmers Grain Co. has closed its elvtr. and J. L. Lininger, mgr., is now working for R. E. Harrington.—C. E. Watkins, Watkins Grain Co., Kansas City, Mo.

Lost Springs, Kan.—J. P. Rasmussen succeeded me as mgr. of the Farmers Union Grain, Coal & Feed Co., Aug. 15. Hamble & Meloy have opened the old Lost Springs Elvtr. and are operating as the Lost Springs Grain Co.—A. M. Falk.

Atchison, Kan.—The Lukens Mlg. Co. has completed its new elvtr.

Cairo, Kan.—We are now operating the 5,000-bu. elvtr. which we recently bot from E. B. Sitton. John Megaffin is pres.—Bernard Megaffin, mgr. Cairo Co-operative Equity Exchange.

Cummings, Kan.—I have bot the interest of L. L. Coryell in the elvtr. of Good & Coryell. Mr. Good will retain his interest and continue in the active management.—H. J. Barber.

Barnes, Kan.—We have purchased the elvtr. of C. W. Hay, but not the one he had leased. He is still in business here.—F. J. Wesche, mgr. Farmers Union Co-operative Shipping Ass'n.

Lindsey, Kan.—The Farmers Elvtr. & Mercantile Co. sold its elvtr. to me last spring. The house will be operated under the same name for the present.—John Wolfersperger, formerly mgr.

Ingalls, Kan.—We are building a 12,000-bu. elvtr. on the A. T. & S. F. C. B. Anderson is pres. and J. M. Henderson, sec'y-treas. of our company.—Geo. M. Garrison, mgr. Ingalls Co-operative Exchange.

Valley Center, Kan.—John Congdon, of Sedgwick, recently bot the alfalfa mill of the Valley Center Mlg. Co., S. S. Colclazier, prop., but not the elvtr. which is still under the same management.—C.

Dodge City, Kan.—The Dodge City Mlg. & Elvtr. Co. has let contract for 140,000-bu. reinforced concrete grain storage, consisting of 8 tanks to the Finton Construction Co., which will start work at once.

Valley Falls, Kan.—H. H. Hinsin, who expected to join our company as recently reported, has failed to do so. It has been owned by the Ragan Grain Co. and managed by me for the past 12 years.—B. C. Ragan, pres. Ragan Grain Co.

Goddard, Kan.—The Farmers Elvtr. Co. has been made defendant in a suit brot by L. F. Maans, of Wichita, to recover \$741.15 for 500 bus. of wheat alleged to have been sold to the company by a tenant of Means, who claims ownership of the grain.

Enterprise, Kan.—Henry Swader, elvtr. man at the Hoffman Mills, was instantly killed recently when he fell to the bottom of a 70-ft. bin in the elvtr. The accident was not discovered until the man had been missed by fellow employees, who found the body under the wheat in the bin.

Garden City, Kan.—We have sold our elvtr. and mill to the Farmers Co-operative Equity Exchange and are now operating it for them. F. Dockum has been retained as mgr. The elvtr. will be enlarged and the company will handle coal, cement and salt in connection.—Dockum & Whitaker Mill Co.

Abilene, Kan.—Charles Wilson, 22 years of age, was killed when he fell from the top of a concrete grain bin of the Security Flour Mills Co. on which he was working, a distance of 50 ft. He was an employe of the Lehrack Contracting & Engineering Co. which has 2 concrete grain bins under construction for the company.

Wilson, Kan.—We are erecting a new 200,000-bu. solid concrete elvtr. It consists of six circular tanks, four of which are 70 ft. high and 24 ft. in diameter. In addition to this there are eight small bins over the driveway. We are also installing a new type registering beam track scale to be used in connection with the elvtr.—R. L. Ward, mgr. Wilson Mlg. & Elvtr. Co.

Topeka, Kan.—The Topeka Flour Mills Co. incorporated; capital stock, \$100,000; incorporators, S. P. Kramer, H. D. Yoder and others of this city, and T. D. Blake, of Edwardsville, Ill. Ira Howe, mgr. of the Empire Mlg. Co., Newton, has been appointed supt. of the property which the company recently took over from the Topeka Mlg. Co. The elvtr. and mill are now being remodeled and new machinery installed. H. L. Kuncce, of Tonganoxie, will be general salesman.



## WICHITA LETTER.

Representatives of an eastern company are looking for a site on which to erect a 500,000-bu. elvtr.

H. Herzer, who represents E. F. Newing in this city, is at his office after an illness of several months' duration.

H. W. Hutchinson is supervisor of grain inspection in place of J. W. Chess, who has been transferred to Lawrence. Mr. Hutchinson has been inspector under Wasser and Chess for the past year and was a grain buyer and elvtr. operator for 25 years previous.

Fraudulent Bs/L were used by a man, signing his name as J. N. Richardson, to obtain \$325 from the Hunter Milling & Elevator Co., at Wellington, and various sums from dealers in hides at this city. "Richardson" had a B/L for a pretended shipment from Isabel on the Santa Fe showing 900 bus. to have been loaded and billed shipper's order. The agent's name was correct in each case and the forgeries were cleverly executed. J. R. Johnston and H. L. Page, hide merchants, who met "Richardson," describe him as well built and having a red complexion and of the country butcher type.

## KENTUCKY

New Haven, Ky.—M. C. Beam of this city was interested with Arthur Cummins in the purchase of the elvtr. and mill of the New Haven Mill Co. at public auction recently.

Seebree, Ky.—G. T. Carnal, of Vandersburg, has purchased the elvtr., mill and other property of the Seebree Roller Mills, Warren Mfg. Co. and the Warren Light & Power Co. Necessary repairs will be made.

## LOUISVILLE LETTER.

C. H. Miller, of Riley & Miller, grain merchants, had \$12 taken from his pocket recently. The thief was caught.

J. F. Buckner, sec'y of the Board of Trade, has been ill for some time and E. H. Bowen has been appointed acting sec'y.

Ferdinand F. Lutz, pres. of F. F. Lutz & Sons Malt Co., died of paralysis recently. He had been connected with the malting trade for 40 years and was at one time with the William Rahr Sons Co.

W. A. Thomson will start work at once on a 350,000-bu. concrete elvtr. to cost about \$70,000. It will be the largest private elvtr. in the city. The house will be completed Jan. 1, 1916. The Southern Elvtr. Co. will be incorporated with Mr. Thomson as pres. and W. A. Thomson, Jr., as sec'y and treas. to control the elvtr.

## LOUISIANA

Natchitoches, La.—H. A. Cook will build a corn elvtr. and later will form a company to operate it.

## NEW ORLEANS LETTER.

John T. Gibbons will build an elvtr. to take care of his firm's business. Details will be announced in October.—B.

The Dock Board has approved the plans for the new 1,021,950-bu. public elvtr. which will be built at a cost not to exceed \$790,000. Plans for the foundation will now be prepared and work will be started in order to have the structure ready for next year's crop. The elvtr. as now designed will be capable of receiving grain continuously at the rate of 16 cars per hour and elevating, weighing and delivering the grain into storage. According to the plans of Ford, Bacon & Davis, it is entirely feasible to deliver grain from this elvtr. to a ship at the rate of 100,000 bus. per hour. No other elvtr. on the Atlantic or Gulf Coasts of this country has a shipping capacity as great as this. These features of rapid handling, the flexible distribution and ability to combine grain from a wide range of bins, have been particularly recommended by the special com'te of the Board of Trade.

Maginnis & Philippi, dealers in rough rice, and A. & V. Beer were admitted to membership in the Board of Trade.—B.

A. F. Leonhardt, former pres. of the Board of Trade and until recently postmaster of this city, died suddenly at Denver, Colo. He was 54 years of age.

For the first time since 1906 the by-laws, rules and regulations of the Board of Trade were revised. Some of the minor changes affect the grain trade.—B.

We are indebted to the Board of Commissioners of the Port of New Orleans for a volume of 154 pages giving an analysis of the present operation of the port and the present and proposed systems of rates, prepared by Ford, Bacon & Davis, engineers, who have accumulated a wealth of data on handling charges and volume of traffic.

## MARYLAND

Baltimore, Md.—Marion G. Dinsmore, of T. M. Dinsmore & Co., member of the Chamber of Commerce, was married Aug. 10 to Miss Gladys L. Fallin.

Baltimore, Md.—The new concrete elvtr. under construction for the Western Maryland Ry. Co. at Port Covington will have a capacity of 900,000 bus. It consists of 24 tanks, which are 24 ft. in diameter and 90 ft. high. A drier will be installed so that all grain entering the elvtr. will be ready for shipment at once.

## MICHIGAN

Petoskey, Mich.—The local office of Logan & Bryan has been closed.

Emmett, Mich.—The elvtr. of the Richmond Elvtr. Co. is being overhauled.

Omer, Mich.—Work on the new elvtr. is being rushed. J. E. Martindale is the new mgr.

McIvor, Mich.—We are building a small elvtr. at this station.—Sterling Elvtr. Co., Sterling.

Sterling, Mich.—We have installed a new Clipper Cleaner in our elvtr.—Sterling Elvtr. Co.

Perrinton, Mich.—Geo. S. Otto, mgr. of the Perrinton Elvtr. Co. for 6 years, died suddenly Aug. 2.

Almont, Mich.—F. W. Bing has taken possession of the elvtr. which he rented from Frank Bishop.

Saginaw, Mich.—The Smith-Connor Hay & Grain Co. has removed its offices to the Washington Arcade.—P. M.

Ann Arbor, Mich.—The Michigan Bean Jobbers Ass'n will hold its annual meeting in this city Sept. 15 and 16.

Detroit, Mich.—Jos. Wickens, formerly with the Swift Grain Co., has become traffic mgr. for H. C. Carson & Co.

Six Lakes, Mich.—The Six Lakes Elvtr. Co. has purchased three complete Hall Special Elvtr. Legs for its elvtrs.

Richmond, Mich.—J. A. Heath, of the defunct Richmond Elvtr. Co., who recently had his leg amputated, is recuperating.

Lake City, Mich.—The McBain Grain Co. will erect a large grain warehouse. A bean picking machine will be installed.

Kinde, Mich.—The Farmers Co-operative Grain Co. has purchased two Hall Signaling Grain Distributors for its elvtr.

Gladwin, Mich.—E. A. McGeorge & Son are remodeling their elvtr. They are installing a Clipper Cleaner and Giant Bean Pickers.

Grand Rapids, Mich.—The Watson-Higgins Mfg. Co. is building coarse grain storage and making other improvements in its plant.

Durand, Mich.—Hankins Bros., of Elsie, will build a 30x80 ft. grain and bean elvtr., 30 ft. high with a capacity for 80 bean pickers.—C. E. Hankins, Bancroft.

Lake Odessa, Mich.—The Farmers Grain & Produce Co. are now operating the Cool Elvtr. with J. B. Sickle, formerly with J. D. McLaren & Co., at Ionia, as mgr.

Atwater, Mich.—The Gleaner Co-operative Elvtr. Co. has completed its elvtr., ready for the machinery to be installed. It will be in operation before the new crop begins to move.

Hale, Mich.—We are enlarging our elvtr., which we operate as the Hale Elvtr. Co., installing new Fairbanks Scales and Engine and a corn sheller.—Sterling Elvtr. Co., Sterling.

Kalamazoo, Mich.—Morris Kent & Co., operating elvtrs. at this station, Mendon, Wasepi, Gobleville, Kendall, Alamo, Martin and Allegan, have made an assignment to Edw. G. Read, as assignee.

Orleans, Mich.—I have bot the elvtr. of Post Bros. at this station and took possession Aug. 15. It will be operated as Wardrop & Robertson.—A. Robertson.—It was reported that Mr. Robertson had bot only the site for a house.

Gladwin, Mich.—Jacob Lehman, an employee of the Gladwin Elvtr. Co., E. A. McGeorge & Son, props., was instantly killed when he came in contact with the charged sheathing of the elvtr. He leaves a widow and several small children.

Detroit, Mich.—H. M. Hobart & Son, props. of the Lincoln Ave. Elvtr., are remodeling the house at a cost of \$6,000. The hay warehouse is being enlarged and a heavy concrete retaining wall will be built around the elvtr. in anticipation of the elevated tracks that the M. C. Ry. Co. will soon build.—S.

Grand Rapids, Mich.—William Kotvis, of Van Driels & Co., elvtr. operators and grain dealers, has become the owner of the old D. E. Brown Elvtr. This will be operated in connection with the company's present properties. The new house, which will be completely overhauled, doubles the handling capacity of the company.

Port Huron, Mich.—We have reduced our capital stock as we have disposed of our large elvtr. and mill and are now operating only some hay warehouses and a street elvtr. and warehouse which we are using for a transfer house and local trade as well and handling seed beans and all kinds of grain.—H. McMorran, McMorran Mfg. Co.

Memphis, Mich.—The stockholders of the Memphis Elvtr. Co. have decided to resume operations and will not sell or lease its elvtr. this year. It has been operated by the Richmond Elvtr. Co. Officers of the reorganized company are D. M. Tice, pres., Wm. T. Sharrard, vice-pres., and G. P. Hale, sec'y. It will operate as the Memphis Elvtr. Co. as in the past.

Bad Axe, Mich.—W. J. Orr, sec'y of the Bad Axe Grain Co., has sold his interests in the Bad Axe Grain Co. of this city, which operates 8 elvtrs., the Elkton Elvtr. Co., operating elvtrs. at Elkton and Grassmere, the Pigeon Elvtr. Co., at Pigeon, and all of his interests in Wallace & Orr, of Bay City, of which firm he was sec'y-treas. and mgr. This company operated 5 elvtrs. He has retained only his interest in the Owendale Grain & Lbr. Co., of which he is pres. No change will be made in the management of the elvtrs. sold.

Detroit, Mich.—The following amendments have been made to the rules of the Board of Trade: Section 2, Article F. For the buying in of grain previously bought for shipment to this market or for specified arrival at this market either in thousand bu. lots or carload lots, and for the selling out of grain previously sold for shipment from this market in thousand bu. lots of carload lots, a commission of 1/2c per bu. shall be charged; effective Aug. 12. Amendment to Section 1, Article B. The commission charges on bag lots of oats and corn shall be 1/2c per bu., and 2c per bu. on all other grains, effective Aug. 12.

## MINNESOTA

Luverne, Minn.—The Farmers Elvtr. Co. is improving its elvtr.

Sanborn, Minn.—C. H. Posz has bot the elvtr. of George Duley.



Jasper, Minn.—The elvtr. of E. A. Brown burned recently.

Echo, Minn.—The Echo Mlg. Co. has completed its new corn elvtr.

Vining, Minn.—Ebbv Hanson is now mgr. of the Farmers Elvtr. Co.

Fosston, Minn.—I am mgr. of the Farmers Elvtr. Co.—O. A. Thompson.

Jeffers, Minn.—The Farmers Elvtr. Co. has built an addition to its elvtr.

Foxhome, Minn.—We have succeeded York, Myers Co.—F. G. Myers & Co.

Clinton, Minn.—The National Elvtr. Co. is making extensive repairs in its elvtr.

Georgetown, Minn.—The elvtr. of the Farmers Elvtr. Co. is undergoing repairs.

Wells, Minn.—The Wells Mlg. Co. has about completed the addition to its elvtr.

Holland, Minn.—I am now mgr. of the Farmers Co-operative Ass'n.—Paul Reikow.

Fairfax, Minn.—The Farmers Grain & Stock Co. is building an addition to its elvtr.

Aitkin, Minn.—The Tucker-MacGregor Co. has installed the machinery in its new elvtr.

Wood Lake, Minn.—I am now mgr. for the Pacific Elvtr. Co. at this point.—Art. O. Radke.

Bird Island, Minn.—Chas. Spencer will no longer be a buyer for the Monarch Elvtr. Co.

Plainview, Minn.—J. P. Schissel, of Adams, has bot the elvtr. of the Western Elvtr. Co.

Trail, Minn.—The Farmers Produce & Elvtr. Co. has laid the foundation for a new building.

Delhi, Minn.—I opened the elvtr. for the Atlas Elvtr. Co. at this station.—William A. Clark.

Hamburg, Minn.—I have sold my elvtr. to the Farmers Equity Co-operative Ass'n.—H. F. Droege.

Carlisle, Minn.—The Carlisle & Oscar Grain & Mercantile Co. will close its elvtr. for repairs.

Alberta, Minn.—W. T. Peterson has succeeded T. M. McLaren as mgr. of the Farmers Elvtr. Co.

Marietta, Minn.—C. E. Jenkins, of Stowell, Wis., will engage in the grain business at this place.

Baker, Minn.—The Baker Elvtr. Co. has been organized by Isaac Jones to engage in the grain business.

Preston, Minn.—We will probably lease our elvtr. but may sell it.—J. H. Duxbury, sec'y Farmers Elvtr. Co.

Redwood Falls, Minn.—The Atlas Elvtr. Co. has bot the elvtr. formerly operated by the Western Elvtr. Co.

St. Clair, Minn.—The Farmers Elvtr. Co. has been incorporated with a capital stock of \$10,000 to build an elvtr.

Owatonna, Minn.—We have not leased a mill at Austin as was reported recently.—L. G. Campbell Mlg. Co.

Pipestone, Minn.—The New London Mlg. Co. has enlarged its elvtr. and installed a gas engine and feed mill.

Tyler, Minn.—Wm. Hoins and W. R. Gale, of Wautaga, S. D., have bot the elvtr. of Magandy & Johanson.

Biscay, Minn.—The Farmers Society of Equity will buy the local warehouse for an elvtr. or build a new house.

Lakey Sta. (Keegan p. o.), Minn.—The R. E. Jones Co., of Wabasha, has bot the elvtr. of the Western Elvtr. Co.

O'Meara sta. (East Grand Forks p. o.), Minn.—King Staples, of Duluth, is now buyer for the Monarch Elvtr. Co.

St. James, Minn.—I disposed of my plant to W. W. Paton, of Milford, Ia., who took possession Aug. 15.—C. J. Imholt.

Easton, Minn.—We have installed a Fairbanks-Morse Automatic Scale, have repaired our elvtr. and are building a new office.—J. M. Weimerskirchen, mgr. Farmers Elvtr. Co.

Crookston, Minn.—The west side of the new 60,000-bu. elvtr. of the Crookston Mlg. Co. has been underlaid with steel.

St. Cloud, Minn.—The Great Northern Flour Mills Co., operating an elvtr., has its plant about ready for operation.

Hills, Minn.—Christ Moe has succeeded Otto Nelson, who recently resigned as mgr. of the Hills Mercantile & Elvtr. Co.

Gilfillan Sta. (Morgan p. o.), Minn.—I have overhauled my elvtr. and put it in first class condition.—C. O. Gilfillan.

Winona, Minn.—The Western Grain & Coal Co. will use the eastern portion of its grain elvtr. for a modern coal elvtr.

Bixby, Minn.—M. B. O'Halloran has installed a new oil tank and has placed a new foundation under the oil house.

Utica, Minn.—The Farmers Elvtr. Co. is bankrupt but it does not affect our company in any way.—Utica Grain Co.

Detroit, Minn.—J. T. Porter and Herlow Frank have formed a partnership and will engage in the grain and feed business.

Gully, Minn.—We have installed a man-lift in our elvtr. and will establish a lumber yard.—L. H. Aas, mgr. Farmers Elvtr. Co.

Franklin, Minn.—We have built a 12x16x32 ft. corn crib and are installing a loader and sheller in it.—Independent Elvtr.

Wayburne Sta. (Morgan p. o.), Minn.—G. L. Meine & Co. will probably erect an elvtr. to replace the house which burned June 8.

Edgerton, Minn.—The recently incorporated Farmers Co-operative Ass'n has bot the elvtr. of McGlin Bros. from the Bennett Grain Co.

Webster, Minn.—The Farmers Elvtr. Co. has let contract for its new elvtr. John Kiley is pres. The company will open for business Sept. 15.

Starbuck, Minn.—Carl Nelson, formerly lessee of the elvtr. of the Farmers Co-operative Mercantile Co., has bot the elvtr. of the Monarch Elvtr. Co.

Hanska, Minn.—We have made minor repairs and have built a concrete foundation under our elvtr.—Theo. Torgirson, agt. Great Western Grain Co.

Worthington, Minn.—Our new 30,000-bu. elvtr. is nearly completed. It will have modern equipment thruout.—W. C. Ager, mgr. Farmers Co-operative Co.

Kenyon, Minn.—I. C. Iverson, mgr. of the lumber dept. of the Farmers Mercantile & Elvtr. Co., recently underwent a successful operation on his eyes.

Faribault, Minn.—Improvements have been completed in the plant of the Sheffield-King Mlg. Co. and the capacity of the Central Elvtr. is now 200,000 bus.

Ghent, Minn.—The Western Elvtr. Co. has sold its elvtr., which will be razed. No new elvtr. will be built to replace it.—H. J. Bot, mgr. Farmers Elvtr. Co.

East Grand Forks, Minn.—Lars Hylden, wheat buyer for the Russell-Miller Mlg. Co. at Grand Forks, N. D., will hereafter be grain buyer for the Sorlie Elvtr. Co. here.

Duluth, Minn.—George G. Barnum, Jr., connected with his father, G. G. Barnum, in the grain business, was married recently to Miss Hildegard Snyder, of St. Paul.

Elbow Lake, Minn.—The elvtr. of the Atlantic Elvtr. Co. has been razed and the material will be shipped to another station to be used in erecting an elvtr. there.

Lake Wilson, Minn.—C. E. Zeiner has acquired an interest in the elvtr. of the Hubbard & Palmer Co. at this station instead of at Slayton as was previously reported.

St. Paul, Minn.—The following officers have been elected by the St. Paul Grain Exchange: M. D. Munn, pres.; C. C. Gray, vice-pres.; B. J. Loague, sec'y, and Ben Baer, treas. These officers and S. W. Dittenhofer compose the new executive com'te.

Springfield, Minn.—The new elvtr. of the Springfield Mlg. Co. is rapidly nearing completion. The sheet metal siding is being put on and the interior work is being rushed.

Westport, Minn.—We have painted and covered our elvtr. with galvanized iron. The coal shed and gas house also were painted.—John Hines, agt. Great Western Grain Co.

Danvers, Minn.—F. Hallberg and myself have bot the elvtr. of the E. E. Logeson Elvtr. Co. I will have full charge of the business.—Samuel Johnson, Samuel Johnson & Co.

Dalton, Minn.—We purchased the elvtr. at this station from R. J. O'Halloran, D. H. Wooley and J. H. Rochford and took possession Aug. 1.—Monarch Elvtr. Co., Minneapolis, Minn.

Truman, Minn.—We have completed new lumber sheds, implement building, coal shed and concrete warehouse with concrete foundations and floors.—S. A. Bursell, sec'y Farmers Elvtr. Co.

Bertha, Minn.—Work on the new elvtr. and potato house, which Chas. Bottemiller has under construction, is progressing. The elvtr. will be 40x76 ft. with concrete foundation and will have a 16 ft. coal shed.

Wylie, Minn.—The Hanson & Barzen Mlg. Co., of Thief River Falls, is building an elvtr. here. We have recently installed a 10-h. p. Fairbanks-Morse Gasoline Engine.—Farmers Elvtr. & Mercantile Co.

St. Peter, Minn.—Thieves carried off nearly all the brass fittings of the machinery of the Farmers Elvtr. Co. The elvtr. has not been in operation for some time. It will cost about \$100 to replace the loss.

Wabasso, Minn.—The Atlas Elvtr. Co. has succeeded the Western Elvtr. Co. here. The elvtr. has been repaired and will be opened with P. J. Heinen as agt.—C. A. Schroeder, mgr. Farmers Grain & Fuel Co.

Duluth, Minn.—The Keusch & Schwartz Co. has discontinued the branch office which it established in this city about two months ago and Bartlett, Frazier & Co., of Chicago, Ill., have taken over the business.

Hereford, Minn.—We recently purchased the elvtrs. of the Federal Elvtr. Co. at this station, Glyndon, Angus, Sabin, Donaldson, Lake Park, Dale, Muskoda and Davidson, Minn.—Monarch Elvtr. Co., Minneapolis.

Claremont, Minn.—George Edmond is now grain buyer at the elvtr. which was formerly operated by G. W. Van Dusen & Co. and is now controlled by the Brown & Conat Elvtr. Co. The elvtr., which has been closed for some time, will undergo repairs.

Ash Creek, Minn.—E. A. Brown has completed overhauling his elvtr. New cribbing has been put in, new siding put on and an up-to-date dump scale installed, with concrete approaches. A hollow brick office has been built and other improvements made.

Minnesota Lake, Minn.—Work is being pushed on the new 25,000-bu. elvtr. for which the Farmers Elvtr. Co. recently let contract to the Younglove Construction Co. The expected date of completion is Sept. 1.—J. M. Weimerskirchen, mgr. Farmers Elvtr. Co., Easton.

Terrebonne, Minn.—We have formed a company with a capital stock of \$25,000 with C. O. Kankel as pres. and mgr. and Joseph St. Marie as secy. and treas. Contract has been let for an up-to-date elvtr. and mill to replace the plant which burned some time ago.—Terrebonne Mlg. Co.

Duluth, Minn.—The state board of grain appeals held its annual meeting here Aug. 10, with all members present. E. R. Rehnke was re-elected chairman, and H. P. Bjorge sec'y. Arguments for and against placing a dockage on oats and barley were advanced, but no change was made.



Elgin, Minn.—I have made arrangements to travel and solicit consignments in southeastern Minnesota and northern Iowa for J. V. Lauer & Co., of Milwaukee, Wis. For the past 16 years I have been traveling auditor for the American Malt-ing Co. and the Western Elvtr. Co., of Winona, Minn.—W. H. Richardson.

Cleveland, Minn.—The Farmers Elvtr. Co. has let contract for a 35,000-bu. elvtr. to the Younglove Construction Co. Work has been started. Equipment includes a 20-h. p. Fairbanks Oil Engine, a 6-ton Fairbanks Dump Scale, a 1,500-bu. Richardson Automatic Scale, Invincible Cleaner, Bowsher Feed Mill, large boot pan and rope transmission.

Osseo, Minn.—Plans are being made to reopen the Osseo State Bank. Eden Smith, prop. of the Osseo Elvtr. & Whse. Co., is pres. of the bank, which is facing a shortage of over \$50,000 thru the speculations of the cashier. Mr. Smith will pay the depositors every cent of their money. Two years ago his elvtr. burned down, being a total loss, as this cashier had neglected to follow out Mr. Smith's instructions in regard to placing insurance on it.

## MINNEAPOLIS LETTER.

Yerxa, Andrews & Thurston have removed their offices to the Flour Exchange.

The Merchants Elvtr. has been declared "regular" by the Chamber of Commerce.

Kinsey Maxfield has been reappointed official grain, seeds and millstuffs sampler for the year ending July 31, 1916.

Excavation work has been started by the Pillsbury Flour Mills Co. on a site near its "A" mill for 1,110,000-bu. additional concrete wheat storage tanks.

H. Wehman & Co. have been incorporated with a capital stock of \$50,000 by H. Wehman, pres. and treas.; O. C. Opsahl, vice-pres., and M. H. Bouteille, secy.

The Scroggins-McLean Co. has engaged in business with offices in the Flour Exchange. Mr. Scroggins, who has been floor man here for Turle & Co., of Duluth, will be active mgr.

The Cargill Elvtr. Co. held its annual outing at the St. Alban's Bay Hotel on July 10. The afternoon was taken up with old fashioned games and races and at 6:30 p. m. a banquet was served.

Minneapolis, St. Paul and Minnesota Transfer have been made a common rate point under a tentative order filed by the Minnesota Railroad Commission, pending a hearing. This establishes the rates on intrastate business as it was before the Cashman distance tariff law went into effect.

Anton Huhn took over the interest in the Huhn Elvtr. Co. Aug. 1 held by the late W. H. Dunwoody, James S. Bell and John Washburn and changed the name to the A. Huhn Elvtr. Co. Mr. Huhn is pres. and Alexander G. Huhn, his son, who has been actively associated with his father in the business for the past 11 years, is sec'y.

The following have received traveling representatives' licenses: T. H. Chamber, to represent W. P. Devereaux & Co.; W. N. Courtenay, to represent Kenkel, Todd & Co.; Henry J. Schrapps, to represent Wm. Grettum & Co.; Frank S. Funk, to represent Gould Grain Co.; Leo M. Schulte, to represent the H. Poehler Co., and Robert B. Hancock, to represent Quinn-Shepherdson Co.

H. Wehman & Co., A. Huhn Elvtr. Co., International Sugar Feed Co., Donahue, Stratton Co., and the Scroggins-McLean Co. have been granted corporate membership privileges in the Chamber of Commerce. H. Wehman & Co., Federal Elvtr. Co. and the Huhn Elvtr. have ceased to be members and the following have been admitted to membership on transfer: O. F. Olson, on transfer from J. R. Stewart; J. A. Reed, from A. G. Moritz; Arthur Midwood, from M. E. Grant; H. M. Stratton, from J. K. Elliot; Peter H. Merritt, from M. E. Scroggins; R. S. Meek from W. B. Joyce; Donald Bruce, from F. G. Carnahan; Louis Hanson, from D. N.

Winton; Chas. H. McCarthy, from S. L. Johnson, and Ralph W. Little, from C. C. Austin. H. F. McCarthy has posted his membership for transfer to W. R. McCarthy, W. L. Brisley to W. R. Midwood, T. B. Murray to W. F. Brittain, L. K. Meyers to L. K. Stabeck and G. H. Spencer to Charles Solberg.

## MISSOURI

St. Joseph, Mo.—Vincent Gilpin is now vice-pres. of the T. P. Gordon Com's'n Co. Rich Hill, Mo.—The Peoples Elvtr. Co. is installing new machinery in its elvtr.

Poplar Bluff, Mo.—The Butler County Mlg. Co. has its new concrete elvtr. almost finished.

Olean, Mo.—The elvtr., which has been under construction for some time, is now completed.

Poplar Bluff, Mo.—M. C. Hays will act as wheat buyer here for the Scott County Mlg. Co., of Sikeston.

St. Charles, Mo.—Fire damaged the plant of the Willis Baird Grain & Feed Co. recently to the extent of \$200.

Vandalia, Mo.—E. K. Butts has bot the interest of Otis Lake in the firm of Butts & Lake and will continue the business under his name.

Springfield, Mo.—J. R. Chapman, supt. of the John F. Meyer & Sons Mlg. Co., has announced the arrival of an eight pound baby girl.

Chaffee, Mo.—Mr. Rigdon has completed a 10,000-bu. elvtr. in connection with the 50-bbl. mill which he expects to have finished by Sept. 15.

Caruthersville, Mo.—A 200,000-bu. grain and seed elvtr. will be built by the Caruthersville Cotton Oil Co. at a cost of between \$15,000 and \$18,000.

New Madrid, Mo.—Henry K. Jasper, 81 years of age, formerly engaged in the grain business here, died Aug. 6 at Colorado Springs, Colo.

Schell City, Mo.—I will operate the warehouse and cribs of J. E. Boatright under lease with Eugene Losey in charge. —W. H. Hurley, Clinton.

Corning, Mo.—My elvtr. was not seriously damaged during the recent high water and is now ready for operation but we have no crop.—F. W. Walter.

Avilla, Mo. — The recently organized Farmers Elvtr. Co. incorporated; capital stock, \$5,000; incorporators, Geo. O. Wilson, Geo. W. Hough and others.

Jasper, Mo.—The new 17,500-bu. elvtr. of the Farmers Co-operative Elvtr. Co. will be completed in about two weeks and placed in charge of J. P. Leiss, of Parsons, Kan.

Ash Grove, Mo.—E. E. Stout and his two sons, Kenneth and Neal, have taken over the property of the Ash Grove Mlg. Co. The plant is being overhauled and new machinery installed.

Slater, Mo.—Our new grain drier will be housed in a separate concrete and iron building, which will be built by the Lehigh Engineering & Constr. Co. It will be 12x12 ft. and 35 ft. high.—Slater Mill & Elvtr. Co.

Pleasant Green, Mo.—I have bot the elvtr. back which I recently sold to the Harriman Elvtr. Co. and have installed a new dump scale, built a new office and am remodeling the interior of the elvtr. Edmonston & Mayfield have made some improvements in their elvtr.—S. L. Rissler.

## KANSAS CITY LETTER.

W. H. Burns is now associated with the Terminal Elvtrs. He was recently admitted to membership in the Board of Trade.

We are indebted to Jas. T. Bradshaw, Com's'ner, for a copy of the booklet containing the rules and regulations governing inspection by the Missouri State Grain Inspection and Weighing Dept. revised and adopted Sept. 1, 1915. son, formerly at Lambert.

The Moore-Lawless Grain Co. is sending a very attractive paper weight to the trade. It is in the form of a medallion, bronzed, showing the Kansas City Board of Trade Bldg. on one side and a shock of wheat on the other. The company's name appears on both sides.

## ST. LOUIS LETTER.

John Mullaly is now traveling in Missouri for the Martin Mullaly Com's'n Co.

Keusch & Schwartz Co., of Chicago, Ill., closed their recently established office here Aug. 12.

E. W. Wagner & Co. have opened an office in the Merchants Exchange. W. B. Christian is in charge.

J. W. Bryan, formerly with the Russell Grain Co., is now representing Langenberg Bros. Grain Co. in the pit.

Sylvester L. Fisher, formerly with Langenberg Bros. Grain Co., is traveling for the Russell Grain Co. in Missouri.

J. L. Igleheart, of Evansville, Ind., and H. K. Dean, of Ava, Ill., have applied for membership in the Merchants Exchange.

William D. Orthwein, pres. of the W. D. Orthwein Grain Co., who was critically ill at Harbor Springs, Mich., has been brot home.

T. C. Taylor, formerly with C. H. Thayer & Co., of Chicago, Ill., is now traveling in Illinois and Missouri for the Seele Bros. Grain Co.

A number of grain dealers could not get to their offices Aug. 20. The west end of the city was flooded and the water was never known to be so high.

Roger P. Annan, Sr., who has been ill and is now convalescing, will leave for the Virginia mountains to recuperate. On Aug. 19 everybody on the floor signed a letter wishing him a speedy recovery and expressing the hope that he would soon be able to be back.

Edward M. Flesh received a painful injury when he was struck in the left eye with a kernel of corn which was carelessly thrown by some person on the floor. He has completely recovered and an order prohibiting the shooting or throwing of grain on the floor has been given.

The St. Louis Ry. & Dock Co., which operate a barge line between this city and New Orleans, La., will start the erection of a 1,000,000-bu. elvtr., switches capable of holding 200 cars, and several warehouses on the river front in North St. Louis soon. The company states that details and plans will be given out in a short time.

## MONTANA

Toluca, Mont.—Donaldson & Huffman are contemplating the erection of an elvtr.

Cut Bank, Mont.—McCabe Bros. will rebuild their elvtr., which burned recently.

Savage, Mont.—The Farmers Co-operative Ass'n is building a 40,000-bu. elvtr. —X.

Hingham, Mont.—The Rocky Mountain Elvtr. Co. has started work on its new elvtr.

Cushman, Mont.—The Rocky Mountain Elvtr. Co. has its new elvtr. almost finished.

Waltham, Mont.—M. Culbertson, of Linton, N. D., has bot the elvtr. of D. E. Brown.

Raynsford, Mont.—An elvtr. will be built here by an equity company now being formed.

Cut Bank, Mont.—Larson & Bomay will build a 40,000-bu. elvtr. to be completed by Sept. 1.

Flaxville, Mont.—M. M. Johnson, of Plentywood, has bot the elvtr. of the Flaxville Grain Co.

Plevna, Mont. — The farmers have started a movement for the erection of a 20,000-bu. elvtr.

Glendive, Mont.—I am now agt. of the Eastern Montana Elvtr. Co.—J. A. Peterson, formerly at Lambert.



Comertown, Mont.—The Farmers Co-operative Elvtr. & Trading Co. has let contract for a 25,000-bu. elvtr.

Joplin, Mont.—The Equity Elvtr. & General Trading Co. has been incorporated with a capital stock of \$50,000.

Musselshell, Mont.—The Handel Bros. Co. has built a 25,000-bu. elvtr. The Globe Construction Co. had the contract.

Benchland, Mont.—I have accepted a position as mgr. of the Farmers Elvtr. Co.—R. Kneisel, formerly at Hilger.

Dixon, Mont.—Work on the Dixon Elvtr. is being rapidly pushed by the Globe Construction Co., which has the contract.

Big Sandy, Mont.—We have our new 30,000-bu. elvtr. with full electrical equipment completed.—Farmers Produce Co.

Dillon, Mont.—The Montana Mills Co., of Lewistown, is contemplating the erection of an elvtr. and flour mill at this place.

Belt, Mont.—The Equity Elvtr. Co. has let contract for its new elvtr. to the Globe Construction Co. The structure will cost about \$5,000.

Columbus, Mont.—The Montana Central Elvtr. Co. is building a 30,000-bu. elvtr. on the N. P. Ry.—A. M. Hansen, mgr. Columbus Elvtr. Co.

Lambert, Mont.—E. N. Welker has succeeded me as agt. of the Occident Elvtr. Co.—J. E. Peterson, agt. Eastern Montana Elvtr. Co., Glendive.

Daleview, Mont.—I am agt. of the Atlantic Elvtr. Co. The name of this station has been changed from Ranous to Daleview.—Carl Berger.

Chinook, Mont.—The Milk River Elvtr. Co. has placed M. L. Johnson in charge of the elvtr. which it recently bot from the Imperial Elvtr. Co.

Square Butte, Mont.—The Farmers Elvtr. Co. is building an elvtr.—J. F. Babcock, mgr. Farmers Mutual Grain & Supply Co., Coffee Creek.

Dooley Sta. (Comertown p. o.), Mont.—Contract has been let by the Farmers Co-operative Elvtr. & Trading Co. to T. E. Ibberson for a modern elvtr.

East Scobey, Mont.—The elvtr. of the International Elvtr. Co., built to replace the house destroyed by fire some time ago, is rapidly nearing completion.

Grass Range, Mont.—I am mgr. of the Farmers Equity Elvtr. Co. which purchased the elvtr. of the Montana Elvtr. Co. at this place.—R. W. Soule.

Havre, Mont.—H. Earl Clack is building a 30x60x70 ft. annex to his elvtr. The capacity is 20,000 bus. and will be completed to handle this year's grain.

Brooks, Mont.—The farmers have organized a company and are erecting an elvtr. here.—J. F. Babcock, mgr. Farmers Mutual Grain & Supply Co., Coffee Creek.

Coffee Creek, Mont.—We have our 25,000-bu. elvtr. on the C. M. & St. P. R. R. almost completed.—J. F. Babcock, mgr. Farmers Mutual Grain & Supply Co.

Carter, Mont.—I am now agt. for the Rocky Mountain Elvtr. Co. at this station, succeeding Mr. Abbott. Ray Umphris is agt. for the Greeley Elvtr. Co.—Fred Gevald.

Red Lodge, Mont.—The Farmers Elvtr. Co. will be incorporated with a capital stock of \$10,000 to take over the elvtr. of the Hawkeye Elvtr. Co. J. H. Hyatt will be mgr.

Medicine Lake, Mont.—I am now mgr. of the Farmers Elvtr. Co., succeeding E. C. Umbrell, who has accepted a position as buyer for the Imperial Elvtr. Co.—A. L. Tennis.

Hilger, Mont.—The Equity Co-operative Ass'n has taken over the elvtr. of the Western Lumber & Grain Co. of which I was formerly mgr.—R. Kneisel, mgr. Farmers Elvtr. Co., Benchland.

Carter, Mont.—I am now mgr. for the State Elvtr. Co. at this point.—H. J. Strunk, formerly mgr. Farmers Equity Elvtr. Co.; Windham.—The company has just completed a 30,000-bu. elvtr. here.

Plevna, Mont.—Karle Hepperle will build a modern 25,000-bu. elvtr. Contract has been let to C. E. Bird & Co. and work will be started at once. Mr. Hepperle formerly operated an elvtr. in South Dakota.

Lewistown, Mont.—There has been a great deal of elvtr. building in this state during the last year, largely farmers elvtr. companies and independent dealers.—P. F. Brown, Mont. mgr. Quinn-Shepherdson Co., Minneapolis.

Ware Sta. (Deerfield p. o.), Mont.—Contract has been let by the Farmers Elvtr. Co. for an elvtr. at this station to the Globe Construction Co.—J. F. Babcock, mgr. Farmers Mutual Grain & Supply Co., Coffee Creek.

Reed Point, Mont.—We sold our elvtr. to the Farmers Elvtr. Co. Aug. 1 and it will now be operated as the Reed Point Farmers Elvtr. We will not handle grain in future. Possession was given Aug. 16.—Lee S. McMullen, Reed Point Trading Co.

Roundup, Mont.—The Montana Elvtr. Co., of Lewistown, has bot the recently completed elvtr. of the N. P. Ladd Elvtr. Co. from N. E. Crandell. The farmers have organized a company and expect to erect an elvtr. at once, making the third elvtr. at this station.—N. P. Ladd.

Winifred, Mont.—The Freeman Grain Co. has succeeded Freeman Bros. with W. G. Bergstreser, of Rhame, N. D., as agt. J. D. Waldron, of Drake, N. D., has bot the elvtr. of the Cragin Elvtr. Co. and has made numerous improvements in it. E. R. Freeman, having retired from Freeman Bros., is now associated with Mr. Waldron.

Twin Bridges, Mont.—I am out of the grain business.—Wm. Ruppel, formerly sec'y-treas. and one-third owner of the Farmers Elvtr. Co.—F. G. Fletcher has been elected to succeed Wm. Ruppel as sec'y-treas. of our company. Mr. Stewart, is pres., A. R. Smith, vice-pres., and myself mgr. We have just closed a satisfactory season.—John Ruttle.

Benchland, Mont.—The recently incorporated Benchland Co-operative Elvtr. Co. is building a 50,000-bu. elvtr. with large warehouse on its own ground. The house, which is almost completed, will be in operation about Sept. 1 and cost about \$10,500. It will be able to handle 25,000 bus. of grain daily. R. L. Thompson is pres., David Morgan, vice-pres., and I am sec'y, treas. and mgr.—Wiley Scott.

Billings, Mont.—Suit was filed in the district court Aug. 11 by W. H. McCormick against Harry Stein of Miles City for \$462.40, alleged to be due him on a shipment of grain. Mr. McCormick received an order for 2,000 bus. of wheat from Mr. Stein and filled 2 cars at Finch and shipped them to him. The shipment totaled 2,370 bus. and Mr. Stein refused to pay for the 370 over the amount of his order. He agreed to send the wheat on to Duluth and send Mr. McCormick the returns at the regular market price. Mr. McCormick claims that he used the wheat for his own purposes and did not pay for it. He asks for \$462.40 or \$1.52 a bu. for the grain and the costs of the suit.

## NEBRASKA

Hay Springs, Neb.—Black Bros. have bot an elvtr. at this station.

Julian, Neb.—I will not sell my elvtr. as I had intended.—L. W. Sage.

Pierce, Neb.—The elvtr. of the Farmers Grain Co. has been improved.

Lebanon, Neb.—The Duff Grain Co. is installing new scales in its elvtr.

Magnet, Neb.—The L. Jones Grain Co. has opened its elvtr. for business.

Kimball, Neb.—C. C. West is now mgr. of the Farmers Lumber & Grain Co.

Giltner, Neb.—The Farmers Elvtr. Co. has installed a new engine in its elvtr.

Gurley, Neb.—Mr. Eigenberg is now agt. of the Van Wickle Grain & Lumber Co.

Holdrege, Neb.—Bodman & McConaughy will install a Boss Air Blast Car Loader.

Minden, Neb.—The Minden Mfg. Co. has rebuilt its plant destroyed by fire Mar. 19.

Stapleton, Neb.—Robert Loudon has secured a position with the Western Grain Co.

Enders, Neb.—The F. C. Krotter Co. will install a complete Hall Special Elevator Leg.

Oakland, Neb.—The Farmers Union will buy the elvtr. of the Farmers Grain & L. S. Co.

Loomis, Neb.—The elvtr. of the Farmers Co-operative Grain Co. is being repaired.

Brock, Neb.—The Brock Grain Co. has been organized with a capital stock of \$18,000.

Stamford, Neb.—Frank Tripe is now working in the elvtr. of the Central Granaries Co.

Boone, Neb.—The Farmers Co-operative Ass'n has been incorporated with a capital stock of \$20,000.

Benedict, Neb.—Lightning struck the elvtr. of the Farmers Grain Ass'n, causing a slight damage.

Mason City, Neb.—J. W. Fairfield has succeeded W. C. Rusmisell as agt. of the Central Granaries Co.

Marquette, Neb.—I am mgr. of the Shannon Grain Co.'s recently acquired elvtr.—H. O. Peterson.

David City, Neb.—W. T. Spelts is now prop. of the elvtr. formerly owned by Jas. Bell & Son.—C. H. Aldrich.

Virginia, Neb.—The Dobbs Grain Co. has built an addition to its grain elvtr. which doubles the capacity.

Swanton, Neb.—L. F. Ellermeier has his new 75,000-bu. elvtr. and mill completed. It is 24x38 ft. and 36 ft. high.

Omaha, Neb.—Frank Hall, head of the auditing dept. of the Crowell Elvtr. Co., has a new baby girl at his home.

Brainard, Neb.—The Farmers Elvtr. Co. has practically completed its 40,000-bu. elvtr. for which it recently let contract.

Stroemer (Glenville p. o.), Neb.—We have installed a new kerosene engine.—B. C. Smith, mgr. Stroemer Grain & Supply Co.

Emerson, Neb.—The Crowell Lumber & Grain Co. has bot the elvtr. of the Benson Grain Co. and has installed I. A. Olmstead as agt.

Guide Rock, Neb.—I am now mgr. for the Farmers Union Co-operative Co.—L. E. Thunhorst, formerly asst. mgr. at Hinton, Ia.

Eldorado, Neb.—We have put a foundation under our elvtr. and will build a 10,000-bu. storage bin.—Farmers Co-operative Co.

Winside, Neb.—C. C. Sitton is now agt. of the elvtr. which the Crowell Lumber & Grain Co. recently bot from the Benson Grain Co.

Turlington sta. (Dunbar p. o.), Neb.—Black Bros., of Beatrice, have bot an elvtr. at this station and will make repairs on it at once.

Concord, Neb.—The Crowell Lumber & Grain Co. bot the elvtr. of the Benson Grain Co. Aug. 7. I will remain in charge.—T. H. Hagen.

Pickrell, Neb.—R. R. Swallow, of Lincoln, is now agt. of the Omaha Elvtr. Co., succeeding G. S. Hughes, who has removed to Beatrice.

Lyons, Neb.—I am mgr. of the Farmers Grain Co., succeeding Frank Bowser, who is now mgr. of the Farmers Elvtr. Co. at Giltner.—G. O. Patrick.

Glenwood Park (Kearney p. o.), Neb.—The Farmers Co-operative Co. has leased the elvtr. of the Omaha Elvtr. Co. and will operate both houses at this station this year.—S. W. Morrison, mgr. Kearney Flour Mills, Kearney.



Osceola, Neb.—J. G. Hutchinson owns the elvtrs. of Jas. Bell & Son at this station and at Yanka sta. (Brainard p. o.).—C. H. Aldrich, David City.

Elkhorn, Neb.—The recently formed Elkhorn Grain Co. incorporated; capital stock, \$10,000; incorporators, John G. Seefers, Carl C. Hooling and others.

Crofton, Neb.—C. A. Olson has installed a new boot pan, new spouting and other machinery in his elvtr. The Younglove Construction Co. did the work.

Red Cloud, Neb.—We have completed our new concrete mill and warehouse and are working on the concrete addition to our elvtr.—Amboy Mfg. & Elvtr. Co.

Neligh, Neb.—We are installing a 225-h. p. engine to operate our elvtr., mill and electric light plant. It will be in operation in about a month.—Neligh Mills.

Trumbull, Neb.—Farmers Union Co-operative Ass'n incorporated; capital stock, \$10,000; incorporators, Walter Burgess pres., Ralph Doty, sec'y, and others.

Belden, Neb.—The McCaull-Webster Elvtr. Co. has bot the elvtr. of the defunct P. B. Mann-Anchor Co. and has placed Mr. McEwing, of Crofton, in charge.

Cozad, Neb.—W. B. Adams has repaired and painted the elvtr. which he recently took over from the Omaha Elvtr. Co.—Geo. S. Doty, mgr. Farmers Elvtr. Co.

St. Marys, Neb.—F. Schebels is now mgr. of the Farmers Elvtr. Co., succeeding J. C. Miller, who has secured a position with a Kansas City grain company.

Hartington, Neb.—Lance Jones, of Omaha, who recently bot the elvtr. of the defunct P. B. Mann-Anchor Co., has repaired it. F. B. Thomas will be grain buyer.

Central City, Neb.—S. E. Cogswell has resigned as mgr. of the Merrick Farmers Co-operative Ass'n and will hereafter have charge of the new 50-bbl. mill of the Edger Mill Co.

Winside, Neb.—The recently incorporated Farmers Co-operative Union Ass'n incorporated; capital stock, \$20,000; incorporators, Gus Huffman, C. Weible and Henry Ehlers.

Table Rock, Neb.—The recently organized Farmers Educational & Co-operative Ass'n has been incorporated with a capital stock of \$25,000. The company has bot an elvtr. and warehouse.

Howells, Neb.—Officers of the recently organized Farmers Lbr. & Grain Co. are H. Burenheide, pres.; Fred Baumert, vice-pres., and E. E. Brodecky, sec'y-treas.—James A. Drahota, mgr.

Hooper, Neb.—The Farmers Union Co-operative Ass'n took over the elvtr. of the Farmers Grain & Stock Co. July 1 and is doing well. David Raber has taken a position with the company.—S.

Ralston, Neb.—We have completed a 14x27 ft. substantial warehouse for the storage of shorts and feed in connection with our elvtr. We will add a corn sheller to our equipment.—C. M. Skinner, Ralston Elvtr. & Mfg. Co.

Fremont, Neb.—The Nye Schneider Fowler Co. has let contract for a 750-bu. Morris Grain Drier. The company is erecting a new fireproof building in which to install this drier and expects to have same in operation by Sept. 20.

Glenwood switch (no p. o.), Neb.—F. F. Roby is repairing his elvtr. at this place and will operate it again this year with John Hall as buyer. The house has been closed for the past 3 years.—S. W. Morrison, mgr. Kearney Flour Mills, Kearney.

Attorney General Reed recently suggested to the Nebraska State Railway Com'n that it should not assume the additional duty prescribed by the public warehouse statute, setting up that the constitutional provision creating the com'n did not contemplate its being so extended. He said the com'n would find its time taken up with business pertaining strictly to railways and other common carriers.

Elmwood, Neb.—Otto Ring is now mgr. of the Elmwood Mill & Elvtr. Co., succeeding J. E. Olson, who has been mgr. for 10 years. Mr. Olson was obliged to resign on account of ill health, but will probably enter business on his own account next year.

Oakland, Neb.—The report that the Merriam-Holmquist Co. would build a 1,000,000-bu. elvtr. here is incorrect. In the first place there is no such company and has not been for the last 5 years. Have heard nothing at all of a new elvtr. here. We already have more than is needed.—Holmquist Grain & Lbr. Co.

Sidney, Neb.—We have established a network of sub stations in this territory with the main office here. Eleven sites have been secured and elvtrs. will be built. Facilities for handling grain until the elvtrs. are completed will be installed at these stations by L. H. Hazle, mgr.—W. P. Miles, clerk, Trans-Mississippi Grain Co.

Roseland, Neb.—Our recently completed studded elvtr. is 30x30 ft. pit, height 36 ft. to plate and 28 ft. to plate of cupola. The roof and sides are of steel and the foundation and dumps of solid concrete. It is 72 ft. above the track at the extreme height. The concrete engine room is detached 10 ft. from the main building. Equipment includes a 6-bu. Richardson Automatic Scale and a Barnard Leas Cleaner in the cupola with 2 elvtr. legs. The R. M. Van Ness Construction Co. had the contract.—M. J. Stoetzel, mgr. Roseland Grain & Supply Co.

Omaha, Neb.—J. C. Wright & Son, props. of an elvtr. at Papillion, have brot suit against the Omaha Grain Exchange and the Merriam & Millard Co. for \$15,000 damages for being placed in the blacklist on the exchange bulletin board. They allege that the Exchange rules as to compulsory arbitration and provision for blacklisting concerns failing to be governed thereby interfere with the proper functions of the courts, and are in restraint of trade. They allege that a controversy over \$170 between themselves and the Merriam company was the cause of the action in question being taken, and they set up claims of actual damage sustained as the result of it.

## NEW ENGLAND

Palmer, Mass.—The Cutler Grain & Coal Co. is building a concrete coal pocket.

Barre, Mass.—Charles T. Wyman has sold his grain business to the Potter Co., of Greenfield.

Keene, N. H.—J. Cushing & Co., of Fitchburg, Mass., have opened a branch office in this city.

Quincy, Mass.—The elvtr. of A. J. Richards & Son was damaged by fire Aug. 15 to the extent of \$2,500.

Fall River, Mass.—Thomas H. Enwright, of John Enwright & Son, grain dealers, died this month.

Salem, Mass.—C. A. Ketcham & Co. has been incorporated with a capital stock of \$8,000 to handle grain and millfeed.

Leominster, Mass.—Bosworth & Son sold their grain business Aug. 2 to our company.—B. D. Bosworth, mgr. J. Cushing & Co.

Taunton, Mass.—We have purchased the Briggs Grain Elvtr. and are uncertain to what use we will put it.—Stiles & Hart Erick Co.

Boston, Mass.—Eben S. Corson, who had been in the grain and hay business for 44 years, died Aug. 13. He had been with Lord & Webster for 24 years.

Waltham, Mass.—The old Pope Grain Warehouse, which was taken over last March by J. Cushing & Co., has been condemned and ordered removed.

Enosburg Falls, Vt.—I am erecting a 35,000-bu. elvtr. and mill and a warehouse of 20 cars capacity. The electric power will be obtained from my old plant which burned last March. I am also building a new power station on the old site about a half mile from my elvtr.—L. L. Marsh.

## NEW MEXICO

Tucumcari, N. M.—Max Goldenberg will erect a 10-car elvtr. to be used in unloading wagons and loading into cars.

Portales, N. M.—We are engaged extensively in the grain business and contemplate the erection of an elvtr. in the near future.—C. E. Brown, H. S. Douthitt Co.

## NEW YORK

Buffalo, N. Y.—The Monarch Elvtr. Co. contemplates erecting a 250,000-bu. reinforced concrete addition.

Victor, N. Y.—The Victor Mfg. Co., operating an elvtr., has increased its capital stock from \$75,000 to \$85,000.

Waverly, N. Y.—We have made no definite plans regarding improvements for our elvtr.—Tioga Mill & Elvtr. Co.

Buffalo, N. Y.—A new and more extensive system for heating the Corn Exchange is being installed at present, the old piping and radiators having been removed as inadequate.

New York, N. Y.—Howard B. Jackson, of Jackson Bros. & Co., and Benjamin B. Bryan, Jr., of Logan & Bryan, of Chicago, Ill., have been admitted to membership in the Produce Exchange.

Buffalo, N. Y.—The Washburn-Crosby Co. entertained its employees at Erie Beach Aug. 11 together with the grocers of this city and their families. There were about 12,000 in attendance.

Binghamton, N. Y.—The Haight Mfg. & Mercantile Co. incorporated to deal in grain and cereals; capital stock, \$25,000; incorporators, E. W. Haight, Sanford, W. E. Hoolihan, of New Milford, Pa., and others.

Brooklyn, N. Y.—The elvtr. and warehouse of Charles Schafer & Sons was badly damaged by fire Aug. 18 of unknown origin. It is thot to have been due to defective electric wire insulation. The loss is placed at more than \$5,000.

Oneida, N. Y.—Max M. Hart and Adolph Wuppermann, the men accused of wrecking the Oneida Mfg. Co., appeared in court on a charge of grand larceny brot against them by Andrew S. Work, of Chicago, Ill., former pres. of the defunct company. The American Mfg. Co. has been organized with a capital stock of \$25,000 to take over the plant.

## NORTH DAKOTA

Kief, N. D.—Andrew Michalenko will build a 15,000-bu. elvtr.

Niobe, N. D.—W. J. Evans is building an elvtr. at this town.

Havana, N. D.—C. Enright, is now mgr. of an elvtr. near Minot.

Weaver, N. D.—The Farmers Elvtr. Co. is building a flour house.

Sheldon, N. D.—The Farmers Elvtr. Co. is building a new feed mill.

Parkin, N. D.—The Parkin Grain Co. will open an elvtr. here.—X.

Epping, N. D.—The Independent Elvtr. will build a new flour house.

Beulah, N. D.—The Farmers Elvtr. Co. has let contract for an elvtr.

Verona, N. D.—Frank Trousley is now agt. of the Andrews Grain Co.

Heil, N. D.—The Heil Equity Exchange has completed its new elvtr. here.

Landa, N. D.—I am now mgr. of the Farmers Elvtr. Co.—J. H. Johnson.

Napoleon, N. D.—Joseph Meir has purchased a Hall Signaling Distributor.

Belfield, N. D.—D. Coutts has disposed of his elvtr. to a local company for \$6,700.

Ray, N. D.—The Russell-Miller Mfg. Co. has secured a site and will build an elvtr.

Knox, N. D.—D. H. Ugland has bot the elvtr. of the St. Anthony & Dakota Elvtr. Co.

Linton, N. D.—The Farmers Elvtr. Co. has been organized with E. H. Anderson as pres.



Aurelia, N. D.—N. P. Johnson will manage the elvtr. of the Farmers Elvtr. Co. this year.

Brocket, N. D.—The Equity Elvtr. & Trading Co. will install a cleaner and separator.

Leal, N. D.—P. S. Pierson, formerly agt. of the Royal Elvtr. Co., has bot the company's elvtr.

Beach, N. D.—G. I. Elliott and O. E. Back are the new owners of the elvtr. of O. D. Brault.

Burnstad, N. D.—Chas. Hoberg, of Denison, has secured a position in an elvtr. at this place.

Heaton, N. D.—The Farmers Elvtr. Co. is building a flour house and will handle feed and flour.

Cooperstown, N. D.—The Cargill Elvtr. Co. has reopened its elvtr. with Nels Arneson as agt.

Sherwood, N. D.—Plans are being made to sell the elvtr. of the defunct P. B. Mann-Anchor Co.

Hansboro, N. D.—The newly organized Farmers Elvtr. Co. has bot the elvtr. of John D. Gruber Co.

Stanley, N. D.—I am now mgr. of the Farmers Elvtr. Co.—Howard Elliott, formerly at Maxbass.

Minot, N. D.—Louis Enyer is buyer for the Farmers Elvtr. Co.—J. E. McKeane, McKeane Grain Co.

Jessie, N. D.—Harvey Larson, of St. Ansgar, Ia., is now agt. of the Great Western Grain Co.

Dickinson, N. D.—The Farmers Union Co-operative Elvtr. Co. incorporated to buy or build an elvtr.

Hazleton, N. D.—The Farmers Union Elvtr. Co. has completed new coal sheds.—W. T. O'Neill, mgr.

Linton, N. D.—A. Watchel has bot an interest in the elvtr. of Seeman & Kruger and will take charge.

Ryder, N. D.—The Farmers Equity Elvtr. Co. has been incorporated with a capital stock of \$15,000.

Ellendale, N. D.—The Farmers Equity Union has acquired the elvtrs. of the Northwestern Elvtr. Co.

Buffalo, N. D.—N. B. Davis is no longer agt. of the Thorpe Elvtr. Co. and has removed to Carpio.—P. M.

Grand Rapids, N. D.—The Equity Elvtr. & Trading Co. will be incorporated with a capital stock of \$10,000.

Sherwood, N. D.—The Farmers Co-operative Elvtr. Co. will build a flour house.—B. L. Holderman.

Rawson Sta. (Alexandria p. o.), N. D.—A. B. Hendricks has opened the elvtr. of the Gunder Olson Grain Co.

Dunn Center, N. D.—The Powers Elvtr. Co., of Minneapolis, Minn., has bot the elvtr. of the E. J. Horn Co.

Munster Sta. (Bremen p. o.), N. D.—The Munster Equity Elvtr. Co. has been formed with a capital stock of \$10,000.

Cando, N. D.—The Monarch Elvtr. Co. is remodeling the elvtr. which it recently bot from the Duluth Elvtr. Co.

Milnor, N. D.—The Farmers Mill & Grain Co. has leased the elvtr. and coal sheds of the Andrews Grain Co.

Donnybrook, N. D.—The Farmers Elvtr. Co. has spent \$1,000 in improvements recently. John Batscher is now mgr.

Willow City, N. D.—Construction work on the new elvtr. of the Farmers Elvtr. Co. is being pushed forward rapidly.

Rock Lake, N. D.—We have purchased the elvtr. of the John D. Gruber Co.—D. Brindle, mgr. Farmers Co-operative Elvtr. Co.

Van Hook, N. D.—An elvtr. will be built here. The material from the elvtr. of Fred Albrecht & Sons at Drake will be used.

Robinson, N. D.—The recently formed Farmers Union Elvtr. Co. incorporated; capital stock, \$10,000; incorporators, Francis Bon, Lewis Williamson and H. Kleve.

Ypsilanti, N. D.—Amos Jacobson, formerly agt. of the Andrews Grain Co., together with his brother, has purchased the house.

Merricourt, N. D.—The Merricourt Equity Exchange has been incorporated by C. W. Sullivan, W. F. Kidder and G. Gebhardt.

Ypsilanti, N. D.—A new cleaner and feed grinder will be installed in the annex which the Farmers Elvtr. Co. is building to its elvtr.

Maxbass, N. D.—Frank Sterritt has succeeded me as mgr. of the Farmers Elvtr. Co.—Howard Elliott, mgr. Farmers Elvtr. Co., Stanley.

Wing, N. D.—We bot the elvtr. of the McKenzie Mercantile Co. and took possession Aug. 1.—Monarch Elvtr. Co., Minneapolis, Minn.

Judson, N. D.—Farmers Union Mercantile Co. will build a 40,000-bu. elvtr. as the two elvtr. companies at this place refused to sell to it.

Crosby, N. D.—Independent Elvtr. Co. incorporated; incorporators, O. O. Thorson, Jr., J. K. Jensen, both of Crosby, and A. P. Jensen, Fortuna.

Carrington, N. D.—We are putting in a new pan and manlift and are painting our elvtr.—Geo. Beier, Hammer-Halvorson-Beier Elvtr. Co.

Craty, N. D.—H. J. Johnson, formerly agt. of the Minnesota & Western Grain Co., has leased the elvtr. of the St. Anthony & Dakota Elvtr. Co.

Max, N. D.—P. D. Podhola is building an elvtr. on the Soo with a capacity of about 35,000 bus. and will probably manage it himself.—M. J. Hunt.

Braddock, N. D.—The Farmers Equity Exchange has incorporated with a capital stock of \$30,000 and let contract for a 40,000-bu. elvtr. to cost about \$8,000.

Carlyle (no p. o.), N. D.—Farmers in this part of Golden Valley County have asked the Nor. Pac. to establish a town site here, promising to build an elvtr.

Berlin, N. D.—The Equity Elvtr. & Trading Co. has bot the elvtr. and coal sheds of Fred Long, which with its own elvtr. gives it a storage capacity of 60,000 bus.

Hazen, N. D.—The farmers have organized a company with Gust Lindquist as pres. and Otto Shafer sec'y. It will be incorporated with a capital stock of \$25,000.

Starkweather, N. D.—John Erickstad has succeeded A. T. Hilden as agt. of the St. Anthony & Dakota Elvtr. Co. and Mr. Hilden is mgr. of the Farmers Grain Co.—X.

Minot, N. D.—The Western Elvtr. Co. incorporated; capital stock, \$50,000; incorporators, Frank C. Laird, Walter H. Nicol, of Minneapolis, Minn., and Wm. Dunnell, of this city.

Parshall, N. D.—Farmers Co-operative Elvtr. Co. incorporated; capital stock, \$25,000; incorporators, W. O. McFall, Hans Larson, of Epworth and David Bartelson, of Plaza.

Stubbins Sta. (Norwich p. o.), N. D.—I am now mgr. of the Farmers Elvtr. Co., having given up my position with the Montana & Dakota Grain Co. at Brockton, Mont.—P. E. King.

Northwood, N. D.—The Farmers Elvtr. Co. voted not to sell its elvtr. to the Equity Elvtr. Co. Paul C. Johnson has been retained as pres. and mgr. and a grain buyer will be hired.

Robinson, N. D.—We purchased the elvtrs. of the Federal Elvtr. Co. at this place, Maddock, Arena, Portland, Johnston and Galesburg and took possession Aug. 1.—Monarch Elvtr. Co., Minneapolis, Minn.

Alta, N. D.—The Equity Trading Co. has been incorporated with a capital stock of \$10,000 with Arthur Tiebald as pres. The foundation for its elvtr. has been finished and work on the superstructure will begin at once.

Minot, N. D.—The Farmers Co-operative Elvtr. Co. incorporated; capital stock, \$20,000; incorporators, Anton J. Johnson, John E. Christenson and William Estlick. A 40,000-bu. elvtr. will be built at once to handle this year's crop.

Edmore, N. D.—The St. Anthony & Dakota Elvtr. Co. has bot the old Burgess Elvtr. and is ready for business with H. H. Francisco as agt. The Farmers Shipping & Supply Co. has made extensive repairs on its elvtr.—O. V. Lundberg, mgr.

Mott, N. D.—S. Stewart, of Morris, Minn., will build a 60,000-bu. elvtr., mill and power plant. Work on the mill, which will be operated as the Equity Power & Mfg. Co., will start immediately. The Society of Equity is reported to be interested.

Inkster, N. D.—The Great Western Grain Co. will paint the elvtr. which it recently took over from the Heising Grain Co. and open it for business. I have managed the elvtr. for the past 10 years and will remain with the new company.—William Roche.

Leeds, N. D.—We will continue to make this city our headquarters but will operate the elvtrs. which we recently purchased from the following companies: Farmers Elvtr. Co., Mapes; Doyon Elvtr. Co., Hamar; E. B. Page, Epping and Tokio and the Imperial Elvtr. Co. here. We are equipping all of the houses with cleaning machines.—Cullen Elvtr. Co.

Minto, N. D.—The Dodge Elvtr. Co., which recently took over the elvtr. of the Acme Grain Co., has put a new foundation under it. The Grain Growers Co-operative Elvtr. Co. will install a circulating pump and will put in a cistern for engine cooling purposes. The elvtr. and coal sheds will also be repaired. Archie J. Miller has added a new cleaner to his equipment and will clean practically all the grain he handles this season.—H. R. Adams, mgr. Grain Growers Co-operative Elvtr. Co.

## OHIO

Kenton, O.—I have sold my elvtr. and mill.—W. S. Snyder.

Anna, O.—C. C. Toland will install a Boss Air Blast Car Loader.

Broadway, O.—P. H. Perry & Co. are building an annex to their elvtr.

Unioolis, O.—The Rinehart Grain Co. will install a Boss Air Blast Car Loader.

Cincinnati, O.—Charles F. Droste has applied for membership in the Chamber of Commerce.

Toledo, O.—Mrs. Rolla Wendt, wife of the ass't sec'y of the Produce Exchange, died Aug. 11.

Middle Point, O.—We have sold our elvtr. to the Middle Point Hay & Grain Co.—Scott & Son, Delphos.

Williston, O.—The farmers and business men are still trying to organize a co-operative elvtr. company.—X.

Tippecanoe City, O.—The elvtr. and other property of the Tippecanoe Mfg. Co. will be sold at auction Aug. 28.

Toledo, O.—Rosenbaum Bros. have put their elvtrs. here and at Sandusky in condition to receive the new grain.

Mansfield, O.—The Goemann Grain Co. has completed the official removal of its business from Toledo to this city.

Genoa, O.—C. A. Powers is pres., G. F. Bowman, treas., and C. T. La Cost, sec'y of our company.—Powers Elvtr. Co.

Cincinnati, O.—The Chamber of Commerce held its annual outing at Coney Island Aug. 12 with 3,000 members in attendance.

Moline, O.—We are building a wareroom to handle feed in connection with our coal and grain business.—Elliott & Beasley, Stony Ridge.

Lemert, O.—C. N. Jump and A. J. Carnes are the owners of the elvtr. of the Lemert Elvtr. & Supply Co. and operate as Jump & Carnes.



Mt. Heron (station name Rushs), O.—I will handle feed, coal, fence and posts at the elvtr. I recently bot of Baily & Tee-garden.—Chas. Douglas, Greenville.

Plattsburg, O.—We have rebuilt our oats bin, enlarging it to 18,000-bu. capacity, and have recovered our elvtr. with metal siding and roofing.—Campbell & Price.

Caldwell, O.—Rucker & Pryor have succeeded G. T. Courtright. E. G. Tarleton handles grain, feed and hay in car lots and does a general milling business.—X

Ankenytown, O.—We have overhauled our wheat handling facilities and increased our capacity. We have also painted the elvtr. and made minor improvements.—Syler Bros.

Benton Ridge, O.—I have purchased the elvtr. here and will install a new engine and make other necessary improvements to get it in operation at once.—H. D. Syler, Mortimer.

Toledo, O.—Burrell Loop, who has been in the auditing dept. of the East Side Iron Elvtr. Co. for several years, has secured a similar position with H. W. Devore & Co.

Fremont, O.—The Farmers Second Co-operative Elvtr. Co. has been organized and has taken over the elvtr. of the Fremont Elvtr. Co. The capital stock of the company is \$40,000.

Caledonia, O.—This station has only two grain elvtrs. One is operated by Day, Williams & Co., and the other is operated by J. A. Resler. All other so-called grain firms here are scoopers.

Bettsville, O.—I am remodeling my flour mill and will install an oil engine instead of steam. I am also putting in dumps, shellers, large elvtrs. and flour packers.—W. J. Depp, prop. Imperial Flour Mills.

Sugar Creek, O.—Charles C. Miller, of Miller & Miller, took his life by hanging himself in his barn. Owing to his death there will be a change in the elvtr. owned by that firm.—Syler Bros., Ankenytown.

Brookville, O.—We operate an elvtr. here and not Kilmer & Baker, as reported in the list of Ohio Grain Elvtr. Operators. These men partly made a bargain for our plant but the deal fell thru.—Younce Bros. Grain Co.

Rawson, O.—Geo. L. Arnold and Ed S. Arnold, of Findlay, have purchased the interest of T. C. Linger in the Rawson Elvtr. and the business will be continued under the name of Arnold & Co., with Ed S. Arnold in charge.

Lewistown, O.—I have bot out the coal business of Robbins Bros. and have rented the building opposite the office where I have an ear corn and oats loader. The building and crib have a capacity of 3,000 bus. I expect to build a new up to date elvtr. in the spring.—C. E. Emery.

Columbus, O.—The state bureau of weights and measures has informed F. H. Tanner, sec'y of the Ohio Millers Ass'n, that some of its inspectors have been seizing measures smaller than one-half bushel. This action is contrary to the decision of the Circuit Court, which held the law unconstitutional. Grain buyers and millers may lawfully use the two-quart measure for testing wheat.

Osborne, O.—The Miami Conservancy District intends to buy up this town and thereby eliminate one of their dams to protect the valley from floods. It will, however, be several years before the railroads are removed, in the meantime we will continue to do business, but, of course, as soon as the transportation is taken away our business will be ruined, and we will have to get out.—J. B. Fennell, sec'y, Tranchant & Fennell Co.

## OKLAHOMA

Prague, Okla.—B. F. Whitmore will build an elvtr. here.

Hollister, Okla.—C. C. Black has increased the capacity of his elvtr.

Fairmont, Okla.—An elvtr. will probably be erected by the Guthrie Mlg. Co.

Altus, Okla.—Hounshell & Sons have moved their warehouse to their new elvtr.

Dewar, Okla.—The Consolidated Elvtr. Co. will build a new elvtr.

Fort Cobb, Okla.—We have painted our elvtr.—Roy Frymire, agt. Chickasha Mlg. Co.

Vinita, Okla.—The recently organized Vinita Mlg. Co. is installing the machinery in its new plant.

Forgan, Okla.—E. C. Herbert has bot the grain bins and coal sheds of the Emberson-Beatty Grain Co.

Ponca City, Okla.—An elvtr. and mill here were slightly damaged when struck by lightning recently.

Capron, Okla.—I have completed my new 20,000-bu. elvtr. and mill.—W. J. Cameron, prop. Capron Mlg. Co.

Texhoma, Okla.—B. O. Cator and W. H. Douglass have the construction of their new elvtr. well under way.

Laverne, Okla.—Work is progressing on the new 8,000-bu. elvtr. under construction for the Laverne Society of Equity.

Blackwell, Okla.—A. F. Prouty and F. E. Wines will manage the elvtr. of the recently incorporated Weige Grain Co.

Fargo, Okla.—We bot the elvtr. formerly owned by Oeley & Brown. A. C. Brown is agt.—Cress & Robinson Grain Co., Gage.

Lucile sta. (no p. o.), Okla.—The Chickasha Mlg. Co. is installing a small elvtr. and loading platform on the side track here.

Chickasha, Okla.—The Linton Grain Co., incorporated; capital stock, \$10,000; incorporators, F. R. and S. C. Linton and J. Levy.

Pawnee, Okla.—D. L. Harper has installed a 90-h. p. boiler in his elvtr. and mill and has remodeled the plant and built a new engine room.

Guthrie, Okla.—The Guthrie Mill & Elvtr. Co. is considering the enlargement of its plant and the extension of its elvtrs. to other stations.

Walters, Okla.—W. E. Lokey has bot the property of the Walters Mill & Elvtr. Co. He will put the elvtr. in repair to handle this year's crop.

Woodward, Okla.—L. O. Street, formerly mgr. of the Farmers Supply Co., which is now out of business, has purchased the Gage Roller Mills.

Haskell, Okla.—The Farmers Mill & Elvtr. Co., incorporated; capital stock, \$5,000; incorporators, C. Peterson, T. B. Monical and others.

Wagoner, Okla.—J. A. Orton has bot the elvtr. and other property from the Citizens State Bank and will remodel it into a mill and elvtr. combined.

Gracemont, Okla.—The Walker Flour Mills Co., which recently took over the property of the Lawton Mill & Elvtr. Co., is repairing the elvtr.

Knowles, Okla.—Farmers & Merchants Grain Co., incorporated; capital stock, \$10,000; incorporators, M. Landers, J. W. Cambs and T. R. Blake, Jr.

Oklahoma City, Okla.—The El-Cherokee Grain Co., incorporated; capital stock, \$5,000; incorporators, Willis G. Sautbine, Morris Erdwurm and others.

Camargo, Okla.—The farmers have started the erection of a small elvtr. L. Law will be mgr. This will be the third elvtr. for this station.—Walter Hunsacker.

Afton, Okla.—Morgan Cox has bot the elvtr. and mill of the Afton Mill & Elvtr. Co. and will operate as the Cox Bros. Mlg. Co. He has completely remodeled the plant.

Bartlesville, Okla.—We are buying grain in a small way for the Rea-Patterson Mlg. Co. and have some small bins only. We will not build an elvtr. at present.—Schonaerts & Co.

Amorita, Okla.—We are operating a 10,000-bu. elvtr. built on the site formerly occupied by W. W. Miller & Sons, who are out of the grain business here.—Chas. C. Peebels, Chas. C. Peebels Grain Co.

Gate, Okla.—The report that the Gate Merc. & Grain Co. had bot the elvtr. of the Sappington Grain Co. was incorrect. We have bot it and will operate it on a co-operative basis.—Ray Foresman, mgr. Gate Valley Grain & Supply Co.

Bromide, Okla.—We do a general grain, produce and cotton business. However, we expect to build an elvtr. before the next grain crop but started in business too late to build this season. We are located on the M. O. & G. R. R. and do a shovel business. There are no elvtrs. in this part of the state.—Bromide Cotton & Grain Co.

## OREGON

Baker, Ore.—The Baker Mill & Grain Co. has let contract for its new elvtr. and warehouse.

Portland, Ore.—Dement Bros. sustained a loss of \$3,000 when their warehouse and contents was damaged by fire recently.

Portland, Ore.—R. J. Patterson was elected pres., Otto Kettenback, vice-pres. and A. Cohn, sec'y-treas. of the Merchants Exchange Ass'n at its recent annual meeting. It decided to adopt the new rules of trading.

Haines, Ore.—I have built new warehouses here and at North Powder and Telocaset and have purchased one at Baker, making an Eastern Oregon Warehouse System. These will be operated with headquarters at this station.—J. F. O'Bryant.

## PENNSYLVANIA

Pittsburgh, Pa.—L. E. Newsome has applied for membership in the Grain & Hay Exchange.

Pittsburgh, Pa.—The annual convention of the Pennsylvania Millers' State Ass'n will be held at Hotel Fort Pitt, Sept. 8, 9 and 10.

## PHILADELPHIA LETTER.

Louis G. Graff, pres. of the Commercial Exchange, is suffering from a badly bruised foot.

The word "new" does not appear on the inspection reports of new winter wheat on and after Aug. 16, 1915.

Bernhard Stern & Sons, of Milwaukee, Wis., have been admitted to membership in the Commercial Exchange.

John O. Foering, chief grain inspector of the Commercial Exchange, celebrated the 72nd anniversary of his birth Aug. 10.

Members of the Commercial Exchange voted Aug. 9 on several important additions to the grain rules, the grain com'te to appoint, subject to the approval of the Board of Directors, 3 new com'tes to be known as the settlement com'tes, to act monthly or at such times as may be advisable, 1 on wheat, 1 on corn and 1 on oats; each to consist of 3 members, who will post on the exchange floor before 11 a. m. every day, discounts on deliveries of contract grain—on wheat down to the grade of "rejected"; on corn, down to No. 4; and on oats down to No. 4 mixed. The discounts established by these com'tes will be considered final and binding upon all members of the exchange, and upon all grades of these grains over which the official grain com'te has jurisdiction. William B. Dupuy, H. D. Irwin and Arthur C. Harvey have been appointed to serve the first month.

## SOUTH DAKOTA

Vilas, S. D.—J. T. Scroggs is repairing his elvtr.

Tulare, S. D.—Till & Koch will build a new elvtr. here.

Fedora, S. D.—George Burke has resigned as agt. of W. Z. Sharp.

Hetland, S. D.—Geo. P. Sexauer & Son are repairing their elvtr.

Broadland, S. D.—The Farmers Elvtr. Co. will build an elvtr. soon.

Pierpont, S. D.—Jacob Aadland is now mgr. of the Union Elvtr. Co.



Bruce, S. D.—The Farmers Elvtr. Co. is putting new belts in its elvtr.

Wagner, S. D.—J. J. Mullaney has purchased the elvtr. of M. Wollman.

Craven, S. D.—The farmers have organized a company to build an elvtr.

Dante, S. D.—J. C. Pigsley, of Springfield, is now agt. for M. King here.

Geddes, S. D.—M. King will repair his elvtr.—F. K. McFarland, Bloomington.

Elk Point, S. D.—Ross McKenzie is now agt. of the McCaull-Webster Elvtr. Co.

Geddes, S. D.—Henry Mansbridge, of Armour, will manage an elvtr. at this station.

Veblen, S. D.—George H. Richardson, of Roslyn, is now mgr. of the Farmers Elvtr. Co.

Andover, S. D.—Steve Pearson of Webster will act as grain buyer in an elvtr. here.

Beresford, S. D.—J. J. Mullaney has installed a 30,000-lb. hopper scale in his elvtr.

Fulton, S. D.—John Van Der Aarde is now asst grain buyer in an elvtr. at this station.

Marion, S. D.—The South Dakota Grain Co. is looking for a site on which to build an elvtr.

Letcher, S. D.—The Farmers Elvtr. Co. has built cement approaches to its elvtr. and scales.

Milbank, S. D.—F. A. Croal has made extensive improvements in his recently acquired elvtr.

Veblen, S. D.—Ole Akre, L. T. Brudos and Ole Graanas have bot the elvtr. of the National Elvtr. Co.

Beresford, S. D.—A. F. Drey has assumed the management of the elvtr. of the Independent Elvtr. Co.

Hillsview, S. D.—F. A. Fischer, of Aberdeen, has been hired as mgr. of the Farmers Equity Exchange.

Roslyn, S. D.—H. M. Ditmanson has succeeded George H. Richardson as agt. of the John Hokanson Grain Co.

Youngs Spur (Ashton p. o.), S. D.—R. D. Twaddle, of Hecla, will be mgr. at the new elvtr. of the Farmers Elvtr. Co.

Volin, S. D.—J. A. Jordan, of Newcastle, Wyo., has bot the elvtr. and other property of the Young Mill & Elvtr. Co.

Thunder Hawk, S. D.—The recently incorporated Farmers Equity Elvtr. Co. will start the erection of an elvtr. at once.

Faulton, S. D.—Work has been started on the interior of the elvtr. now under construction for the Farmers Elvtr. Co.

Hoven, S. D.—One of the elvtrs. here has been purchased by the Farmers Co-operative Co., the consideration being \$5,250.

Isabel, S. D.—We have painted our elvtr. and overhauled it to handle the new crop.

F. C. Fitch, Fitch, Peck & Fitch Grain Co.

St. Marys, S. D.—The Farmers Elvtr. Co. has been organized by H. W. Fields, O. E. Clark and others and will build an elvtr. at once.

Greenville, S. D.—Block Bros. Grain & Fuel Co., incorporated; capital stock, \$10,000; incorporators, Jos., Frank and Ben Block.

Miranda, S. D.—Farmers Elvtr. Co., incorporated; capital stock, \$10,000; incorporators, C. I. Noberg, Wm. Byrne and W. A. Mulligan.

Market sta. (Springfield p. o.), S. D.—I have just opened the Market Elvtr. which is a 15,000-bu. house built last year.—S. M. Brann.

Chelsea, S. D.—I am now located at this station. I was agt. for W. Z. Sharp at Junius before he sold his elvtr. last May.—Richard Eisele.

Conde, S. D.—Ed Hildebrandt & Co. operate a 30,000-bu. elvtr. here. I have purchased the elvtr. of the Western Elvtr. Co.—G. H. Smith.

Frankfort, S. D.—The Frankfort Mlg. & Elvtr. Co. incorporated; capital stock, \$20,000; incorporators, W. J. Jones, J. O. Bahde and others.

Ree Heights, S. D.—The Farmers Elvtr. Co. has been organized with a capital stock of \$25,000 to build an elvtr. W. D. Leadbetter is pres.

Claire City, S. D.—I am no longer agt. of the National Elvtr. Co. at McVillie, N. D., and am now located at this station.—B. O. Berthenson.

Frederick, S. D.—Contract for a 40,000-bu. elvtr. has been let by the recently incorporated Farmers Society of Equity to the Hickok Construction Co.

Langford, S. D.—Albert Nerland, who has been working in the elvtr. of the Stavig-Olson Grain Co. at Roslyn, is now agt. of the Empire Elvtr. Co. here.

Keldron, S. D.—The recently organized Farmers Equity Union has bot the elvtr. of the Farmers Elvtr. Co. and is operating it as the Keldron Equity Exchange.

Chamberlain, S. D.—The Chamberlain Mlg. Co., which operates an elvtr. here, sustained a heavy loss when the earth for 100 ft. settled into an old artesian well.

Bloomington, S. D.—L. C. Button has let contract for a 20,000-bu. modern elvtr. to the Younglove Construction Co. Equipment includes a 5-ton Howe Wagon Scale.

Davis, S. D.—Our elvtr. which burned July 19, and the small amount of grain in it at the time, were covered by insurance.—Monarch Elvtr. Co., Minneapolis, Minn.

St. Lawrence, S. D.—The recently incorporated Farmers Elvtr. Co. has bot the elvtr. of G. G. Ostroff and is ready to commence business. I am mgr.—A. F. Fritts.

Morristown, S. D.—E. B. Case is no longer buyer for the Farmers Elvtr. Co. He will have charge of an elvtr. at Leeds, N. D., which is now in course of construction.

Marvin, S. D.—We have installed a new leg, belt and cups and are now ready for the bumper crop. J. H. Jorgeson has been retained as mgr.—Farmers Grain & Mercantile Co.

Selby, S. D.—The Selby Equity Union Exchange is putting in a new 10-h. p. Fairbanks-Morse Oil Engine and is generally overhauling its elvtr.—John Bibelheimer, mgr.

Wentworth, S. D.—We are building a 28x18 ft. brick office with a 6x8 ft. vault. The elvtrs. of J. M. Earling & Son and our company will be the only elvtrs. open this year.—F. F. Hartwick, Farmers Elvtr. Co.

Columbia, S. D.—The Farmers Elvtr. Co. has installed a 15-h. p. Fairbanks Engine. G. W. Van Dusen & Co. have reopened their elvtr. with Mr. Ballou as agt. and are repairing it for this year's crop.—E. Bernet.

Highmore, S. D.—M. Markley has leased the elvtr. of A. Dursch and will operate this year in place of M. E. Miller, who has been operating it for 11 months under lease.—G. M. Hague, agt. G. W. Van Dusen & Co.

Ipswich, S. D.—The Farmers Elvtr. Co., incorporated; capital stock, \$10,000; incorporators, C. H. Rebrud, W. F. Chase and Thomas Langan. Arthur Caborn is mgr. of the elvtr. which the company took over from the Crown Elvtr. Co.

Kingsbury, S. D.—The recently incorporated Farmers Elvtr. Co. has let contract for a 20,000-bu. modern elvtr. to the Younglove Construction Co. Equipment includes a Fairbanks Oil Engine, a 1,500-bu. Fairbanks Automatic Scale and rope transmission. H. W. De Jong is mgr.

Erwin, S. D.—A. W. Stone of our firm died July 10 and G. T. Snyder will continue the business in his own name. He will operate the 3 elvtrs. here. We have installed an electric motor in the largest house and have repaired them all. I have bot grain here for 24 years and will remain as mgr. for Mr. Snyder. The farmers have two elvtrs. here. G. J. Johnson is their agt.—H. B. Atwood, agt. for G. T. Snyder, successor to Erwin Elvtr. Co.

Winship sta. (Ellendale p. o., N. D.), S. D.—The farmers of this community have organized a company to be known as the Winship Equity Exchange and are negotiating for the elvtr. of the Dakota Grain Co. I have been appointed as mgr. of the new firm's elvtr.—W. L. Dean, Frederick.

Mellette, S. D.—We have purchased the 35,000-bu. elvtr. of the Columbia Elvtr. Co. on the C. M. & St. P. and will operate it in connection with our other house on the M. & St. L. We have installed a 10-h. p. engine. J. W. Slattery is buyer for our old elvtr. and G. A. Palmer for the recently acquired house.—G. W. Gange, mgr. Farmers Elvtr. Co.

## SOUTHEAST

Ocala, Fla.—Louis R. Chapel & Sons Co. will erect a 10,000-bu. corn elvtr.

Tampa, Fla.—We expect to open an office here within the next 60 days.—Baker & Holmes Co., Jacksonville, Fla.

Vicksburg, Miss.—The Mayor and Aldermen of this city have discussed the advisability of a large grain elevator for Vicksburg, believing that the salvation of local business depends largely upon providing the farmers with a place to market their cereal products.

## TENNESSEE

Bell Buckle, Tenn.—John E. Shoffner will engage in the grain business here with Clarence Shoffner as mgr.

Chattanooga, Tenn.—I am out of the grain business.—H. Humphreys, formerly sec'y Dan C. Wheeler & Co.

Nashville, Tenn.—I am now mgr. of the branch office Adams Grain & Provision Co. at this city.—John A. McEwen.

Lebanon, Tenn.—Edgar Green has bot the grain and feed warehouse operated by the T. C. Dodson Grain Co. from the owners and will improve it. The Dodson Grain Co. has not as yet settled on new quarters.

## TEXAS

Mertzon, Tex.—Caldwell Bros. are building a new grain house to replace the one wrecked by a storm this summer.

Baumont, Tex.—W. P. H. McFaddin has leased the plant of the McFaddin-Weiss-Kyle Mlg. Co. and will repair it for operation at once.

Howe, Tex.—The G. B. R. Smith Mlg. Co., of Sherman, is operating the elvtr. which it recently purchased from the Paul Bean Grain Co.

Houston, Tex.—An elvtr. will soon be erected on the Houston Ship Channel now open to the Gulf of Mexico with 25 ft. of water.—Houston Harbor Board.

McAllen, Tex.—A 10,000-bu. corn elvtr. is being erected by the McAllen State Bonded Warehouse Co. Two independent 3,000-bu. corn shellers are also being constructed.

Amarillo, Tex.—We have taken possession of the Star Mill & Elevator Co. plant at this city. Our total elevator capacity is about 125,000 bus.—Panhandle Grain Elevator Co.

Vega, Tex.—Claude Morris will be mgr. of the new elvtr. of the Farmers & Stockmen's Elvtr. Co., which is rapidly nearing completion. The company will also build a large storage room.

Amarillo, Tex.—The Amarillo Mill & Elvtr. Co. is retiring from business, but the business may be continued by a different company. The institution is not liquidating on account of financial reverses, but it is due to the settling of an estate which owned much of the stock.—J. N. Beasley Grain Co.

Galveston, Tex.—[Special Telegram Aug. 24.]—Three elevators are running and the other will be placed in operation Thursday. Loading ship at Elevator A. The utility of the port depends on the railroad bridge which will probably be repaired in ten days. Grain in elevators is not damaged, but some damage was done to grain in cars.



## UTAH

Delta, Utah.—The Globe Grain & Mill Co. has let contract for concrete elvtrs. to the Burrell Engineering & Construction Co. to be built at this station and at Sharps siding.

## WASHINGTON

Chehalis, Wash.—We will install a feed mill in connection with our recently acquired plant. Our firm is the only com's'n house in this section of the state.—Farmers Mlg. & Produce Co.

Seattle, Wash.—A differential between bulk and sacked grain of 3c and \$1.25 a ton between bulk and sacked oats and barley has been established by the grain com'te of the Merchants Exchange.

Tacoma, Wash.—Charging that C. J. Holst, former state grain inspector, Henry C. Wilson, George A. Lee and Jesse S. Jones, who formerly composed the state public service com's'n with having failed to carry out their duties in not compelling A. E. Nicholls, to whom certificates to operate public warehouses were issued, to give bond with the state, the Northern Grain & Warehouse Co. has filed suit in the superior court against the former officials for \$2,884.84. The company alleges it obtained negotiable warehouse receipts for 3,411 bus. of grain stored in Nicholls' warehouse in Grant co. and when the grain was demanded allege it was found to have been fraudulently disposed of.

## WISCONSIN

Manawa, Wis.—The Cargill Grain Co. is building an addition to its elvtr.

New Mapleton, Wis.—Calvin J. Jones, of Dousman, has bot the elvtr. of B. Brierton. N. O.

Greenleaf, Wis.—Jerome Rosman, prop. of the Greenleaf Elvtr. & Warehouse, died recently.

Rice Lake, Wis.—E. Crate & Son, elvtr. operators, have opened a retail feed and flour store.

Madison, Wis.—Senator Bray's bill to modify the new tax on grain elvtrs. has been killed.

Sauk City, Wis.—Maegerlein & Geier are operating their new feed mill in connection with their elvtr.

Wautoma, Wis.—Our 10,000-bu. elvtr., now under construction, will be ready for operation Sept. 1.—W. J. Durham Lumber Co.

Fall Creek, Wis.—We are remodeling our elvtr. which we recently bot from the Cargill Grain Co., together with their flat-houses. New machinery will be installed and other improvements made.—Niebuhr & Son.

Coleman, Wis.—Jos. Rosera, agt. of the Cargill Grain Co. at Bear Creek (Welcome p. o.) for several years, has rented the elvtr. of the Coleman Implement Co. and will buy grain and handle flour and feed.—J. N. Bassett, Lena.

Superior, Wis.—A bill has been signed by Governor E. L. Philipp, which will give the Wisconsin Grain and Warehouse Com's'n enuf funds to work without restriction. Following is the new law, designated as chapter 470, laws of 1915: "An act to amend section 172-34 of the statutes, making appropriations for the grain and warehouse com's'n. "The people of the state of Wisconsin, represented in senate and assembly, do enact as follows: Section 1. Section 172-34 \* \* \* "All moneys collected or received by each and every person for and in behalf of the grain and warehouse com's'n shall be paid within one week of receipts into the general fund of the state treasury. All moneys so deposited are appropriated for said com's'n to carry into effect the powers, duties and functions provided by law for the grain and warehouse com's'n. Any balance in excess of \$25,000 standing to the credit of said com's'n on July 1 of any year shall revert to the general fund. Section 2. This act shall take effect as of July 1, 1915.

## MILWAUKEE LETTER.

The rate of interest on advances for August, under the provisions of Sections 8 and 9 of Rule 32 has been determined by the finance com'te as 5% per annum.

F. F. Clapp, chief weighmaster of the Chamber of Commerce, has been installed in a new office. Heretofore he has been in the office of the inspection dept. which was overcrowded.

Improvements in the elvtr. of the Lyman-Joseph Grain Co. include a purifying plant and new machinery. The capacity of the scales will be increased and they will be placed in best possible condition.

The Donahue-Stratton Co. and the P. C. Kamm Co. have given their elvtrs. a general overhauling. Stacks & Kellogg closed their plant for 2 weeks in order to enlarge the handling capacity and make other alterations.

P. E. Stroud has applied for membership in the Chamber of Commerce. C. W. Hohenadel and Walter Kasten have been admitted to membership, and the memberships of Howard W. Commons, M. W. Smith, John F. Schlamp and the estate of Fred Kasten have been posted for transfer.

We have incorporated with a capital stock of \$10,000 and have succeeded the Morris-Parry Grain Co. Our business will consist of a general grain business but we will also handle popcorn. S. M. Smith is pres., Alexander McDowell vice-pres. and T. W. Parry sec'y-treas., Parry Grain Co.

## WYOMING

Hillsdale, Wyo.—The Peoples Co-operative Grain Co. has let contract to W. H. Cramer for a 15,000-bu. modern iron clad cribbed elvtr. Equipment includes a 10-h. p. oil engine, a 6-ton type registering scale, a 1,000-bu. automatic scale and rope drive. It will be ratproof and lightning-proof.

Burns, Wyo.—We are using a small shed with dump and stand of elvtrs. while our new 22,000-bu. elvtr. is being built. It will cost us about \$5,500 and we expect to have it completed Sept. 15. The Farmers Grain Co. of Denver bot the warehouses of the Overland Cereal Co. here.—H. G. Noye, sec'y Farmers Elvtr. & Merc. Co.

C. & A. in Sup. 6 to 1576-A quotes rates on grain from stations on the C. & A. Ry. in Ill., to stations in Ark. and La., effective Aug. 15.

C. & N. W. in Sup. 55 to 8300-A quotes rates on grain between stations on the C. & N. W. Ry. in Illinois and points in Wisconsin, effective Sept. 14.

C. G. W. in Sup. 15 to 15159 quotes rates on grain products and seeds in carloads from points on the C. G. W. or its connections to East Dubuque and Keithsburg, Ill., effective Sept. 15.

C. & A. in 1655-G quotes rates on grain and grain screenings from Chicago, when reshipped therefrom to Galveston and Texas City, Tex., for export to all foreign countries, effective Aug. 20.

C. G. W. in Sup. 15 to 97-B quotes rates on grain, grain products and seeds from Minneapolis, St. Paul, Minnesota Transfer and So. St. Paul, Minn., to other stations on the C. G. W. or its connections, effective Sept. 15.

C. & E. I., in Sup. 44 to 622-A quotes rates on grain, grain products, broom corn and seeds from stations on the C. & E. I. Ry. in Ill., via M. & O. Ry., to other stations in Ill., effective Aug. 18.

Western Trunk Lines, in circular 1-L quotes rates and rules for the shipment of grain, grain products or seeds over any of the railroads making up the Western Trunk Lines, effective Aug. 14.

C. G. W. in Sup. 30 to 14903 quotes rates on grain from Atchison, Kansas City, Leavenworth, Kan., and Kansas City, St. Joseph, Mo., to other stations on the C. G. W. or its connections, effective Sept. 15.

## Changes in Rates

As shown by tariffs recently filed with the Interstate Commerce Com's'n the carriers have made the following changes in rates:

C. & E. I. in Sup. 6 to 6639-A quotes milling and malting privileges on grain and grain products at stations on the C. & E. I. Ry., effective Aug. 18.

C. G. W. in Sup. 37 to 36-A quotes rates on grain, grain products, flaxseed and millet seed from Chicago, Ill., and other stations in Ill., or Ind., to points in Ill., Ia., Kan., Minn., Mo., and Neb., effective Sept. 15.

C. I. & L. in 5591-A quotes rates on grain, grain products and by-products of grain in carloads from Chicago, Hegewisch, Pullman Junction, South Deering, Ill., and Hammond, Ind., to other stations on the C. I. & L., effective Sept. 15.

Transportation Dep't, J. S. Brown, mgr., Chicago Board of Trade, reports that a rate of 50c per 100 lbs. applies to Chicago on wheat, oats and barley from North Pacific Coast points in Wash., Ore. and western Ida., effective Aug. 15.

C. G. W. in Sup. 35 to 14481 quotes rates on grain, grain products and seeds from Kansas City, Leavenworth, Atchison, Kan., Kansas City, St. Joseph, Mo., Council Bluffs, Ia., and Omaha, Neb., to stations on the C. G. W. or its connections, effective Sept. 15.

C. G. W. in Sup. 6 to 68-C quotes rates on grain, grain products, flaxseed and millet seed in carloads from Minneapolis, Minnesota Transfer, St. Paul, South St. Paul, Red Wing, and Winona, Minn., to Chicago, and other stations in Ill. or Ia., effective Sept. 15.

A. T. & S. F. in Sup. 37 to 5588-J quotes rates on grain and grain products from points in Kan., Colo., Mo. and Okla., also Superior, Neb., to Kansas City, St. Joseph, Mo., Atchison, Leavenworth, Kan., Chicago, Peoria, Ill., and Mississippi River points, effective Sept. 19.

C. R. I. & P. in Sup. 23 to 13207-F quotes rates on grain, grain products and seeds from Albright, South Omaha, Neb., Armourdale, Atchison, Leavenworth, Kan., Council Bluffs, Ia., Kansas City, North Kansas City and St. Joseph, Mo., to stations in Ill., Ia., Mich., and Wis., on connecting lines, effective Sept. 15.

A. T. & S. F. in Sup. 24 to 5702-D quotes rates on broom corn, castor beans, pop corn and seeds from points in Kan., Colo., Okla., Neb., and Mo., to Kansas City, St. Joseph, Mo., Atchison, Leavenworth, Kan., Omaha, Lincoln, Neb., Sioux City, Ia., Chicago, Peoria, Ill., St. Louis, Mo., and St. Paul, Minn., effective August 15.

C. R. I. & P. in Sup. 22 to 13207-F quotes rates on grain, grain products and seeds in carloads from Albright, Omaha, South Omaha, Neb., Armourdale, Kansas City, Atchison, Leavenworth, Kan., Council Bluffs, Ia., Kansas City, St. Joseph, Mo., to stations in Ill., Ia., Mich. and Wis., on connecting lines, effective Sept. 10.

C. G. W. in Sup. 13 to 33-B quotes rates on grain, grain products and flaxseed in carloads, from Minneapolis, Minnesota Transfer, St. Paul, So. St. Paul, Minn., Council Bluffs, Ia., Omaha, and So. Omaha, Neb., to Memphis, Tenn., and New Orleans, La., also to other Mississippi Valley points and Gulf Ports, effective Sept. 15.

C. & E. I., in Sup. 40 to 622-B quotes rates on grain and grain products, corn cobs, broom corn and seeds, from stations on the C. & E. I. Ry. to points in Ala., Ark., Conn., Del. D. C., Ill., Ind., Kan., Ky., La., Me., Md., Mass., Mich., Minn., Miss., Mo., N. H., N. J., N. Y., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., and points in Canada, effective Aug. 25.



New 25,000-bu. Elevator at Hooker, Okla.



## Supply Trade

Chicago, Ill.—The National Ass'n of Scale Experts held a meeting in this city Aug. 2, 3 and 4.

OMEMEE, N. DAK.—Duncan Cameron will organize a company for the purpose of manufacturing a wild oat cleaner.

BLOOMINGTON, ILL.—The B. S. Constant Co. has arranged to carry a stock of its elvtr. equipment in Kansas City, Mo.

KANSAS CITY, Mo.—The Kansas City Mill & Elvtr. Supply Co. has been incorporated to handle a complete line of elevating, conveying and cleaning machinery. A complete stock of the Constant line will be carried.

THIRTY days devoted to intelligent investigation and thoughtful planning are worth thirty weeks of wondering why your advertising didn't make good.—P. E. McKeighan. The circulation of the Grain Dealers Journal is guaranteed.

It is said that little drops of water falling on a man's head will eventually penetrate his skull and reach his brain. But think how much quicker and simpler it would be to use a fire hose. This applies to large and small advertisements.—M. V. Kelley.

MINNEAPOLIS, MINN.—We wish to announce that we have taken over the sale and manufacture in the U. S. of the B. & W. Dump Door Operator. Also that Mr. H. A. Tubbs, who has been representing us as sales manager, is no longer connected with this firm.—L. E. Taylor & Co.

CHICAGO, ILL.—Mr. Richardson, president of the Richardson Scale Co., has invented a wonderful device for improving the operating facilities of terminal elevators. This device automatically unloads cars of grain without the necessity of shoveling or sweeping. The car is run on a bridge, the operator pushes a button and has nothing further to do until the car is emptied. A working model of this device is now on exhibition in Chicago, and anyone interested can arrange to see it by communicating with the Chicago office of the Richardson Scale Co. Through the use of this device cars can be unloaded in 4 to 8 minutes and without the aid of shoveling crews.

CHICAGO, ILL.—The Hess Warming & Ventilating Co. report the following recent sales of its Out Door Conditioner: Ferger Grain Co., Cincinnati, O.; Ind. Farmers Grain Co., Sac City, Ia.; Farmers Supply Co., Sadora, Ia.; Neill & Momeger, New Sharon, Ia.; Kinsley Milling Co., Kinsley, Kans.; D. Gratz & Son, Tecumseh, Mich.; Rankin Bros., Cambridge, Nebr.; A. J. Carpenter, Edwardburg, Mich.; W. G. Trumpler, Tiffin, O.; Lawrenceburg Roller Mills Co., Lawrenceburg, Ind.; C. R. Price, Linden, Mich.; A. Moorehouse & Son, Glidden, Ia. The following have recently installed a Hess Grain Drier: Produce Elvtr. Co., Pt. Huron, Mich.; D. Gratz & Son, Tecumseh, Mich.; T. H. Hyslop, Ovid, Mich.; Hunterstown Grain Co., Hunters-town, Ind.; Tell City Flouring Mills, Tell City, Ind.; Peter Backer & Sons, Troy, Ind.; Lexington Roller Mills, Lexington, Ky.; F. D. Mohnike, Wever, Ia.; H. Prange & Son, New Douglas, Ill.

Maroa, Ill.—Maroa Mfg. Co. reports that its Boss Air Blast Car Loader has been installed in the following Kansas elvtrs.: The Damar Elvtr. Co., Damar; Hardman Lbr. Co., Wakeeney; The Jacob Lebaack Grain Co., Otis; Morrison Grain Co., Glasco; The Ryan Lbr. Co., McCracken; The Farmers Grain Co., Elvria.

Silver Creek, N. Y.—About 15 months ago a technical engineer, officially connected with one of the belligerent European nations, came to the United States to investigate grain elevator construction and equipment. He carefully investigated all sorts of grain handling plants and equipment, in fact, he saw everything worth seeing in these lines, and his Government has decided to erect a number of grain warehouses patterned after American elevators, and much of their equipment will be American made. In this latter connection it is interesting to note that the S. Howes Co., in competition with the whole world, secured the contract for a vast amount of its machinery to be installed in these warehouses.

### Attractive Local Advertising.

C. A. Hoops of Woodward, Okla., has devised an attractive means of fixing the name of C. A. Hoops Grain Company firmly in the minds of his local patrons and the farmer trade. His plant occupies space leased from the Santa Fe Ry., and the location is passed daily by practically everyone in the town. The farmers, too, cannot fail to see it on coming in.

The weed-covered half acre adjoining the Hoops office has disappeared, and in its place has been substituted a beautiful miniature electric lighted parkway. In 2-foot white cement letters the slogan "Safety First" is worked across the space, with blue and white emblems of the Santa Fe Ry. at either end.

The words "Woodward, You Can't Beat 'er," are also displayed with large letters of Bermuda grass and chatt, with a background of coal dust. Cactus and other western plants add picturesqueness to the scene, which is illuminated at night with a row of electric bulbs at one side and a tall post in the center. Two big piles of coal are shown in the background while the entire side of the office delivers the message that Hoops' coal is "Devilish Hot Stuff." The illustration, loaned us by The Retail Coalman, gives a further idea of the attractive arrangement.

The enthusiasm with which Mr. Hoops made his improvements, and the results of the finished work, have not only been a good advertisement for the C. A. Hoops Grain Co., but have started quite a movement among Woodward residents for a city beautiful.

### New Minnesota Grades.

In establishing the grades for the year following Aug. 20 the Minneapolis and Duluth Boards of Grain Appeals jointly agreed on a complete change in the rules for grading oats.

In addition to the grading of flaxseed as formerly given, the country of origin will be stated. A note is added to the grades for durum wheat providing that hybrid durum, western white durum and mongrel durum, owing to its inferior milling quality, shall not be graded higher than No. 2.

The oats grades as changed, follow:

#### WHITE OATS.

No. 1 White Oats—Shall be white, dry, sweet, sound, bright, clean, free from other grain and weigh not less than 32 pounds to the measured bushel.

No. 2 White Oats—Shall be 95 per cent white, dry, sweet, shall contain not more than 1 per cent of dirt and 1 per cent of other grain, and weigh not less than 29 pounds to the measured bushel.

Standard White Oats—Shall be 92 per cent white, dry, sweet, shall not contain more than 2 per cent of dirt and 2 per cent of other grain and weigh not less than 25 pounds to the measured bushel.

No. 3 White Oats—Shall be sweet, 90 per cent white, shall not contain more than 3 per cent of dirt and 5 per cent of other grain, and weigh not less than 24 pounds to the measured bushel.

No. 4 White Oats—Shall be 90 per cent white, may be damaged, musty or very dirty.

Yellow Oats—The grades of Nos. 1, 2 and 3 Yellow Oats shall correspond with the grades of Nos. 1, 2 and 3 White Oats, excepting that they shall be of the yellow varieties.

#### MIXED OATS.

No. 1 Mixed Oats—Shall be oats of various colors, dry, sweet, sound, bright, clean, free from other grain and weigh not less than 32 pounds to the measured bushel.

No. 2 Mixed Oats—Shall be oats of various colors, dry, sweet, shall not contain more than 2 per cent of dirt and 2 per cent of other grain, and weigh not less than 28 pounds to the measured bushel.

No. 3 Mixed Oats—Shall be sweet oats of various colors, shall not contain more than 3 per cent of dirt and 5 per cent of other grain, and weigh not less than 24 pounds to the measured bushel.

No. 4 Mixed Oats—Shall be oats of various colors, damaged, musty or very dirty.

No. 1 Clipped White Oats—Shall be white, dry, sweet, sound, clean and free from other grain, and shall weigh not less than 40 pounds to the measured bushel.

No. 2 Clipped White Oats—Shall be seven-eighths white, dry, sweet, sound, reasonably clean and practically free from other grain, and shall weigh not less than 38 pounds to the measured bushel.

No. 3 Clipped White Oats—Shall be seven-eighths white, dry, sweet, sound, reasonably clean and practically free from other grain, and shall weigh not less than 36 pounds to the measured bushel.

GRAIN CROPS of Sweden are reported as short due to droughth and now that the harvest is on too much rain is hindering threshing. Wheat and rye are both said to be below normal.



Pretty Yard of C. A. Hoops Grain Co., at Woodward, Okla.



## Patents Granted

**Car Seal No. 1,149,461.** J. A. O'Connor and E. Fitzgerald, Chicago. Seal has a shackle with an enlarged intermediate portion having a plurality of transversely disposed slots and longitudinally folded over portions which overlap the ends of the slots.

**Car Seal No. 1,149,462.** (See cut.) J. A. O'Connor and E. Fitzgerald, Chicago. The seal comprises a shackle and tongue with an extended strip portion bent to form a socket head and base. A slot is placed in the socket head to admit the tongue and upon its admission it is automatically engaged.

**Car Seal. No. 1,149,460.** (See cut.) J. A. O'Connor and E. Fitzgerald, Chicago. A car seal shackle consisting of an elongated strip is integrally related to a socket casing. The slip has widened and slotted end portions equal to the socket casing in length. The slots are of not less width than the shackle strip.

**Grain Spout Adjuster. No. 1,149,899.** (See cut.) B. DeBoer, Corsica, S. D. The adjuster is operated in connection with a guide track. A groove is formed in the track, and a bracing beam with nose fitting into the groove is pivotally mounted on the track. Means are provided for supporting the outer end of the beam and to raise it for adjusting the outer end of chute. A locking member connects the beam with the chute.

**Automatic Hopper Scale. No. 1,149,331.** (See cut.) J. H. A. Bousfield, St. Johnsbury, Vt., assignor to E. & T. Fairbanks & Co., St. Johnsbury, Vt. A hopper and counter balancing weight with inlet and discharge gates are mechanically controlled to alternately load or unload the hopper. A dash pot engages the controlling mechanism when the scale is under load and absorbs the inertia of movement when relieved of load. Means are provided for disengaging the dash pot before a succeeding loading operation.

**Dust Collector. Reissue, No. 13,963.** (See cut.) John E. Mitchell, St. Louis, Mo., assignor to the Prinz & Rau Mfg. Co., a corporation of Wisconsin. Rows of porous dust collecting tubes are radially arranged in a revolvable balloon frame, open at one end. An air circulating chamber with which the tubes are in communication extends around the outer ends of the tubes, the chamber having a tangential inlet gradually diminishing in area downwardly on one side of the balloon and upward on the other side. An expansion settling chamber is provided in the circuit of the air circulating chamber.

**Bag Holder. No. 1,149,446.** (See cut.) H. B. Hotchkiss, Corning, Cal. Concentric bail members are mounted upon pivots to swing into vertical or horizontal position, constituting bag-clamping members. A frame member with a bag supporting ledge extends between the ends of the bail members and carries the pivots.

**Apparatus for Grain Distribution. No. 1,149,221.** (See cut.) W. H. Roney, Gary, Ind. A pair of rotary hoppers are placed in connection with a receiving trough, spouts leading from and rotating with the hoppers. Each trough comprises two arcuate portions positioned concentric with one of the hoppers, and has a plurality of compartments for receiving grain from the spouts. The trough also has a compartment adapted to receive grain from the spouts.

**Automatic Recording Scale. No. 1,149,378.** (See cut.) E. McGarvey, Bellefonte, Pa., assignor to International Electric Co., Bellefonte, Pa. A poise and electrically operated poise screw are placed in combination with a scale beam. A magnetic clutch couples the screw and electric motor together and means are provided to control the clutch, depending upon the position of the beam. Printing mechanism and means for its operation are also controlled by the position of beam.

### New Com'ites of Illinois Ass'n.

Victor Dewein, pres. of the Illinois Grain Dealers Ass'n, has recently appointed the following com'ites for the ensuing year:

**Arbitration:** H. A. Hillmer, Freeport, chairman; R. J. Railsback, Hopedale; Geo. W. Banks, Irene.

**Executive:** E. M. Wayne, Delavan, chairman; B. P. Hill, Freeport; E. E. Schultz, Beardstown.

**Finance:** T. E. Hamman, Milmine, chairman; Harry Allen, Broadlands; E. W. Jokisch, Boody.

**Legislative:** Lee G. Metcalf, Illiopolis, chairman; R. R. Meents, Ashkum; William Murray, Champaign.

**Resolutions:** U. J. Sinclair, Ashland, chairman; B. F. Colehower, Long Point; W. H. Holmes, Lincoln.

**Claims:** F. S. Larison, El Paso, chairman; J. M. Allen, Decatur; Frank Yates, Rantoul.

**Scales:** Frank Jones, Ridge Farm, chairman; George W. Walker, Gibson City; Lawrence Delaney, Niantic.

**Traffic:** J. C. Audelott, Pekin, chairman; H. I. Baldwin, Decatur; Henry A. Rumsey, Chicago; V. C. Elmore, Ashland; J. B. Magee, Cairo.

**Discount:** Victor Dewein, Warrensburg, chairman; R. C. Baldwin, Bloomington; G. A. Turner, St. Louis, Mo.; E. B. Hitchcock, Champaign.

I do not wish to miss a single number of the Grain Dealers Journal.—Lester Stone, Clovis, N. M.

### Insurance Notes.

WESTERN GRAIN DEALERS Mutual Fire Insurance Co., Des Moines, Ia., has recently added O. A. Holland to its staff.

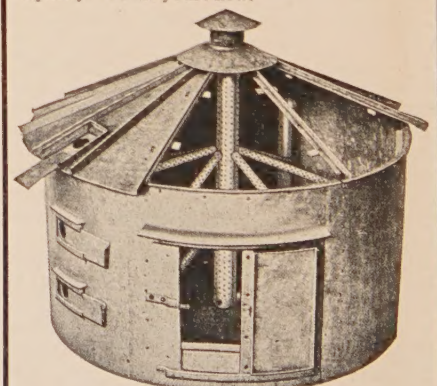
FIRE PREVENTION DAY is to be celebrated October 9, the anniversary date of the great Chicago fire. The fire insurance and fire prevention com'ites of the American Safety First Federation selected the date, and together with its adoption, recommended that legislation be enacted which will make persons liable for loss to others resulting from fires caused by carelessness or criminal intent. It is the intention of the com'ites to also recommend to the convention of the Safety First Federation, to be held in Detroit next month, the inauguration of a safety-first campaign for all states.

PENNSYLVANIA's new workmen's compensation act, which becomes effective Jan. 1, 1916, is very similar to the laws passed by other states. Persons affected by the act are those who perform services for another for a valuable consideration, exclusive of those whose employment is casual in character and not in the regular course of business of the employer. It also excludes persons to whom articles are given out to be made up. Employers operating under the act must insure the payment of compensation to employes and may do so in any such companies as are authorized to issue Workmen's Compensation Insurance in the state, or they may insure in the state fund.

SAFETY BULLETIN No. 8 of the Millers Mutual Casualty Insurance Co., Chicago, is a special message to the employes of grain elevators, warning them that accidents in their line of work are more numerous in proportion to the number of men engaged than in other occupations. As more elevator employes are hurt or killed by falls than from any other cause the company believes that if employes will look before they step many serious accidents will be avoided. Unsafe conditions should be reported, and if it is impossible to provide a proper guard locally for any dangerous place about the elevator, the Safety Engineering Dep't of the Millers Mutual Casualty Ins. Co. should be consulted.

### Hold Your WHEAT

in a Perfection Portable Metal Grain Bin, which can be set up in 2 hours, and grain run in bin from Separator. Fire and lightning proof, vermin and weather proof. This Bin with our Perfection Ventilating System is a boon to farmers, as there is no danger of grain overheating or molding. Damp grain will dry out in this bin. 1,000 bushel capacity. Order yours now.

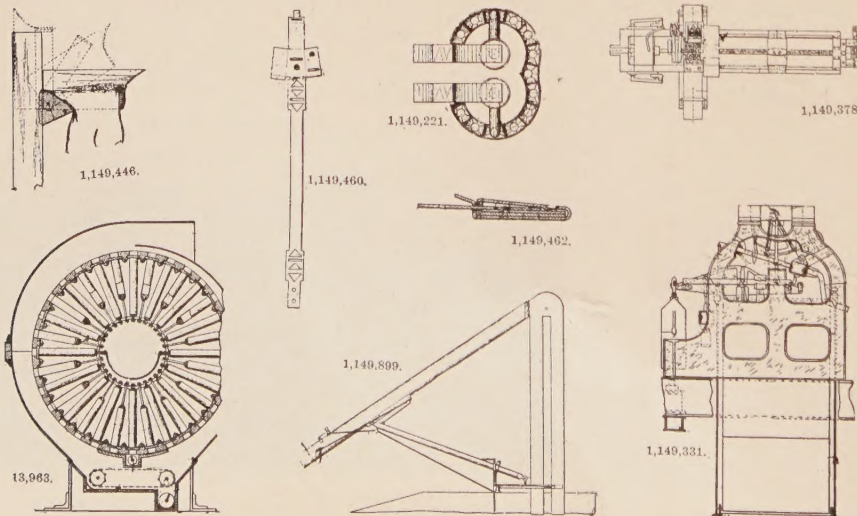


Patents Applied For.

Send \$25.00 deposit with order to insure prompt delivery. We can furnish all kinds of Grain Handling Machinery and Elevator Supplies. Agents wanted. Write for Catalog A.

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# The GRAIN DEALERS JOURNAL.

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Write Elevator and Grain Insurance on the purely Mutual Plan, with *Cash Dividends* Annually.

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## WESTERN GRAIN DEALERS MUTUAL FIRE INSURANCE ASSOCIATION

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Write for Information  
Regarding Short Term Grain Insurance

## Lightning Can't Strike *if* Shinn Gets There First

Illustrated Book on Lightning Free.  
Explains kind of rods that protect.  
W. C. SHINN, 147 N. 16th St. Lincoln, Neb.

### GALVANIZED CORRUGATED

Steel Siding, Roofing, Fireproof Window Frames, Sashes, &c.



The  
**SYKES  
Company**  
Chicago, Ill.

Sheet Metal Contractors, Makers of Fireproof Windows. Write them if you are in the market now or if you expect to be in the future. Contracts taken anywhere in the United States.

## Kennedy Car Liners

The Only  
Positive Preventive

- of -

Leakages in Transit

MADE BY

THE KENNEDY CAR LINER  
& BAG COMPANY

SHELBYVILLE, IND.

### If Your Business

isn't worth advertising  
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INCORPORATED 1877

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Insures Elevators, Mills, Grain Warehouses and Contents  
of same at Cost.

Insurance in Force \$24,011,664.48. Cash surplus \$531,396.68

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can be prevented. We are  
here to solve your prob-  
lems.

### SERVICE FREE

to policy holders of the  
following companies:

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Are you, Mr. Property-  
owner, one of the 15,000  
to whom this enormous fire  
waste is chargeable?

## YOU ARE

if you have ever had a fire.

MUTUAL FIRE PREVENTION BUREAU - OXFORD, MICH.

MILLERS NATIONAL INSURANCE CO.  
OF CHICAGO, ILL.  
WESTERN MILLERS MUTUAL FIRE INSURANCE CO.  
OF KANSAS CITY, Mo.  
OHIO MILLERS MUTUAL FIRE INSURANCE CO.  
OF CANTON, OHIO.  
PENNSYLVANIA MILLERS MUTUAL FIRE INS. CO.  
OF WILKES-BARRE, PA.  
MILL OWNERS MUTUAL FIRE INSURANCE CO.  
OF DES MOINES, IA.  
THE MILLERS MUTUAL FIRE INSURANCE CO.  
OF HARRISBURG, PA.  
TEXAS MILLERS MUTUAL FIRE INSURANCE CO.  
OF FORT WORTH, TEXAS.  
MICHIGAN MILLERS MUTUAL FIRE INSURANCE CO.  
OF LANSING, MICH.  
GRAIN DEALERS NATIONAL MUTUAL FIRE INS. CO.  
OF INDIANAPOLIS, IND.

## A Car-Mover that Stands the Test NEW BADGER

FREE  
For 30 Days



We will send you a New Badger Car-Mover for thirty days free trial and if it does not meet with your approval return it. We pay the freight both ways. If you keep it you are to send us \$5.00.

We would not make such an offer were we not sure that this Car-Mover would stand the test. It has been on the market for a long time and has always met with the approval of its users.

Drop us a post card and ask us to send you the New Badger for thirty days' free trial.

ADVANCE CAR-MOVER CO., APPLETON WISCONSIN

## WANT ADS

in the GRAIN DEALERS JOURNAL make wants known to everyone connected with the grain trade. If you desire to buy or rent, sell or lease an elevator or anything used by grain dealers, try a JOURNAL want ad twice a month and your want will soon be satisfied.



## POST YOUR PRICES

TODAYS PRICES	
OATS	45
CORN	77
WHEAT	101
RYE	118
BARLEY	134
CLOVERSEED	950

and stick to them. The farmer likes to know he is getting a square deal.

An attractive, convenient Bulletin for posting the prices you are bidding for grain, seeds and hay, will save you money.

Price Posting Bulletin Form 1 is made of heavy No. 30 gauge steel, japanned so that it will not rust. Top piece contains the words "TODAY'S PRICES" in bold, white type; punched for screw hooks. Six card holders are hung to top so as to provide room to post prices bid for different commodities.

Card holders are turned over on top and bottom edges so they will hold the

cards firmly. Complete set of cards bearing the words, Oats, Wheat, Rye, Barley, Y. Corn, W. Corn, Flax, Clover, Timothy, Alsike and Hay; and 10 sets of digits so that the price of each commodity may be easily and quickly posted.

Order Form 1.

Size 14x19½ inches.

Price \$2.00

GRAIN DEALERS JOURNAL

315 South La Salle St.

Chicago, Ill.

## THE VALUE

### OF AN ADVERTISEMENT

Depends upon placing it before the right persons. You can get your advertisements before the grain dealers of the country by using this space.

## When Considering the Purchase

of a grain drier, bear the following fact in mind:

*The ELLIS DRIER is the only grain drier manufactured which incorporates a RETURN AIR SYSTEM in the design of the machine and patents covering the use of this system are owned by this company exclusively.*

As the use of a RETURN AIR SYSTEM means a saving in steam consumption of 25 per cent it will pay you well to investigate.

GRAIN  
DRIERS

THE ELLIS DRIER CO.

Postal Telegraph Building  
CHICAGO

OAT  
BLEACHERS

SPECIFY THE ELLIS: It will NOT crack, blister or discolor the grain.

The grain is moved on the bin floor by a 36-in. conveyor belt, reversible, discharging at the ends upon storage conveyors 320 ft. long running into the tank, or annex gallery. The draw-off spouts lead to a conveyor that discharges upon two 36-in. conveyors of the dock gallery each 780 ft. long. The machinery equipment other than as named is of the latest and best make and was manufactured by the Weller Mfg. Co. of Chicago.—"The Price-Current Grain Reporter."

When the Sunset Elevator was rebuilt there was one thought uppermost in the minds of all parties concerned in the work of rebuilding

**"Nothing but the Best"**

There could be just one answer—

**WELLER-MADE**

We Know How to Build

**Elevating, Conveying & Power  
Transmitting Machinery.**

**WELLER MFG. CO.,  
Chicago**

## Elevator and Mill Managers Take Notice



The following unsolicited testimonial has been received by us:—

"The writer last week saw a dust collector on one of our milling separators which was one of your make and it was the nicest working of any collector we have ever seen. There was no back pressure upon our fans whatever and collected the dust perfectly."

However, while the above is a recommendation for our dust collectors, a dust collector alone will not prevent an explosion. You need a DAY dust collecting system. Our booklet for the asking.

**THE DAY COMPANY**

Minneapolis, Minn.